

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: December 18, 2003, 22:25:46 ; Search time 66 Seconds  
(without alignments)  
4975.592 Million cell updates/sec

Title: US-09-898-554-13

Perfect score: 744

Sequence: 1 atgacttttgatgacaagat.....caaatcattgcaaatagg 744

Scoring table: IDENTITY NUC  
Gapop 10.0 , Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents NA.\*  
1: /cgn2\_6/ptodata/1/ina/5A\_COMB.seq.\*  
2: /cgn2\_6/ptodata/1/ina/5B\_COMB.seq.\*  
3: /cgn2\_6/ptodata/1/ina/6A\_COMB.seq.\*  
4: /cgn2\_6/ptodata/1/ina/6B\_COMB.seq.\*  
5: /cgn2\_6/ptodata/1/ina/PTUS\_COMB.seq.\*  
6: /cgn2\_6/ptodata/1/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	298.2	40.1	1318	2	US-08-809-494A-5
2	288.2	40.1	1318	3	US-09-352-302-5
3	287.2	38.6	1897	2	US-08-809-494A-1
4	287.2	38.6	1897	3	US-09-352-302-1
5	287.2	38.6	1906	2	US-08-809-494A-3
6	287.2	38.6	1906	3	US-09-352-302-3
7	72.4	9.7	990	2	US-08-688-342-2
8	72.4	9.7	990	2	US-09-113-788-2
9	72.4	9.7	990	4	US-09-016-434-804
10	61.2	8.2	528	3	US-08-772-440-7
11	61.2	8.2	2298	3	US-08-772-440-1
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15	41.8	5.6	340	1	US-08-182-175A-104
16	41.8	5.6	340	5	PCT-US92-06412-104
17	40	5.4	16442	3	US-08-781-891-208
18	40	5.4	16442	4	US-09-618-166-208
19	40	5.4	164976	4	US-08-916-421B-1
20	39.2	5.3	1212	3	US-09-591-435-11
21	38.6	5.2	289	3	US-09-007-005-17
22	38.6	5.2	289	3	US-09-244-796-17
23	38.4	5.2	926	2	US-08-919-145-1
24	38.4	5.2	926	3	US-09-344-889-1
25	38	5.1	3489	2	US-08-728-323A-1
26	38	5.1	3489	4	US-09-298-568-1
27	38	5.1	3489	4	US-09-410-399-1

c	28	38	5.1	32207	2	US-08-770-379-20	Sequence 20, Appl
c	29	38	5.1	32207	3	US-08-757-669A-20	Sequence 20, Appl
c	30	38	5.1	32207	4	US-09-230-371A-20	Sequence 20, Appl
	31	37.6	5.1	1212	3	US-09-591-435-9	Sequence 9, Appl
	32	37.6	5.1	1312	4	US-09-517-605-1	Sequence 1, Appl
	33	37.6	5.1	2463	4	US-09-252-991A-6775	Sequence 6775, Ap
c	34	37	5.0	299	4	US-09-313-294A-7035	Sequence 7035, Ap
	35	36.6	4.9	2448	4	US-09-620-312D-64	Sequence 64, Appl
	36	36.6	4.9	2680	2	US-08-533-306A-5	Sequence 5, Appl
	37	36.6	4.9	2680	2	US-08-742-923A-5	Sequence 5, Appl
	38	36.6	4.9	2874	4	US-09-620-312D-10	Sequence 10, Appl
	39	36.6	4.9	2887	2	US-08-533-306A-3	Sequence 3, Appl
	40	36.6	4.9	2887	2	US-08-742-923A-3	Sequence 3, Appl
	41	36.6	4.9	3045	4	US-09-620-312D-9	Sequence 9, Appl
	42	36.6	4.9	3069	4	US-09-620-312D-11	Sequence 11, Appl
	43	36	4.8	533	6	5482709-5	Patent No. 5482709
	44	36	4.8	543	6	5273901-6	Patent No. 5273901
	45	35	4.7	471	4	US-09-370-838-278	Sequence 278, App

#### ALIGNMENTS

RESULT 1  
US-08-809-494A-5  
; Sequence 5, Application US/08809494A  
; Patent No. 5962260  
; GENERAL INFORMATION:  
; APPLICANT: Sawamura, Tatsuuya  
; APPLICANT: Masaki, Tomoo  
; TITLE OF INVENTION: Modified Low-Density Lipoprotein  
; TITLE OF INVENTION: Receptor  
; NUMBER OF SEQUENCES: 8  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: McAlay Fisher Nissen Goldberg & Kiel  
; STREET: 261 Madison Avenue  
; CITY: New York  
; STATE: NY  
; COUNTRY: USA  
; ZIP: 10016-2391  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/809,494A  
; FILING DATE: 24-MAR-1997  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: JP 6-321705  
; FILING DATE: 30-NOV-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: JP 7-214206  
; FILING DATE: 31-JUL-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Goldberg, Jules E  
; REGISTRATION NUMBER: 24408  
; REFERENCE/DOCKET NUMBER: JG-YY-4363PCT  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 212 986-4090  
; TELEFAX: 212 818-9479  
; INFORMATION FOR SEQ ID NO: 5:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1318 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
; ORIGINAL SOURCE:  
; ORGANISM: Homo Sapiens

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GENERAL INFORMATION:
APPLICANT: Sawamura, Tatsuya
APPLICANT: Masaki, Tomoo
TITLE OF INVENTION: Modified Low-Density Lipoprotein
TITLE OF INVENTION: Receptor
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: McAulay Fisher Nissen Goldberg & Kiel
STREET: 261 Madison Avenue

```

Db 624 AAAGACCAAGAGAGTCTTGTCTTTGGATGCCAAGTTGCTGAAATTAATAGCACAGC 683  
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Qy 540 GCATCGGAAGAGCTGCGCCACCACTAGCTATGGGAGAAATGGAATCTCTTTGAAATTTCA 599  
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Qy 660 TCAAGACGAGCTGTGTCTGCTGAAACTGCAATCTTAATGCAATTCAGCATATGTCAGAA 719  
Db 864 ACAAGCAGGAGCTGTTATGCGGAAACTGCAATTTAGCTGCTTCAGTATATGTCAGAA 923  
Qy 720 GAAGACAAATC 730  
Db 924 GAAGGCAAC 934

## RESULT 3

US-08-809-494A-1  
; Sequence 1, Application US/08809494A  
; Patent No. 5962260

## GENERAL INFORMATION:

; APPLICANT: Sawamura, Tatsuya  
; APPLICANT: Masaki, Tomoo  
; TITLE OF INVENTION: Modified Low-Density Lipoprotein  
; TITLE OF INVENTION: Receptor  
; NUMBER OF SEQUENCES: 8  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: McAulay Fisher Nissen Goldberg & Kiel  
; STREET: 261 Madison Avenue  
; CITY: New York  
; STATE: NY  
; COUNTRY: USA  
; ZIP: 10016-2391  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/809,494A  
; FILING DATE: 24-MAR-1997  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: JP 6-321705  
; FILING DATE: 30-NOV-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: JP 7-214206  
; FILING DATE: 31-JUL-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Goldberg, Jules E  
; REGISTRATION NUMBER: 24408  
; REFERENCE/DOCKET NUMBER: JG-YY-4363PCT  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 212 986-4090  
; TELEFAX: 212 818-9479  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1897 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
; ORIGINAL SOURCE:

; ORGANISM: Bos taurus  
; TISSUE TYPE: Vascular endothelial cells  
; IMMEDIATE SOURCE:  
; LIBRARY: Bovine aortic endothelial cell cDNA  
; CLONE: pBLOX-1  
; FEATURE:  
; NAME/KEY: polyA site  
; LOCATION: 1880..1897  
; FEATURE:  
; NAME/KEY: misc RNA  
; LOCATION: 1859..1864  
; OTHER INFORMATION: /function= "PolyA Signal"  
; FEATURE:  
; NAME/KEY: 5'UTR  
; LOCATION: 1..34  
; FEATURE:  
; NAME/KEY: 3'UTR  
; LOCATION: 848..1897  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 35..847  
; US-08-809-494A-1

Query Match 38.6%; Score 287.2; DB 2; Length 1897;

Best Local Similarity 71.0%; Pred. No. 6.4e-79;  
Matches 395; Conservative 0; Mismatches 158; Indels 3; Gaps 1;

Qy 183 AGCCCTGCAGAGAGCTGCAAACTCTTCAGAGAGAGTCCAGAGAGAACTCAAGGGAAGAT 242  
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Qy 243 AGACACCTCACCCTTGAAGCTGAACGAGAAATCCAAAGACGAGAGAGGATTTACAGAA 302  
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Db 820 GAAGGCAATCTATTG 835

## RESULT 4

US-09-352-302-1  
; Sequence 1, Application US/09352302  
; Patent No. 619937  
; GENERAL INFORMATION:



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	769	TCAAAGGGGAACACTGTTTTTGCTGAAAACTGCATTTTAACTGCATTCAGTATATGTCAGAAA	828
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Db			
 RESULT 6 US-09-352-302-3 ; Sequence 3, Application US/09352302 ; Patent No. 6197937 ; GENERAL INFORMATION: ; APPLICANT: Sawamura, Tatsuya ; APPLICANT: Masaki, Tomoo ; TITLE OF INVENTION: Modified Low-Density Lipoprotein ; TITLE OF INVENTION: Receptor ; NUMBER OF SEQUENCES: 8 ; CORRESPONDENCE ADDRESS: ; ADDRESSEE: McAulay Fisher Nissen Goldberg & Kiel ; STREET: 261 Madison Avenue ; CITY: New York ; STATE: NY ; COUNTRY: USA ; ZIP: 10016-2391 ; COMPUTER READABLE FORM: ; MEDIUM TYPE: Floppy disk ; COMPUTER: IBM PC compatible ; OPERATING SYSTEM: PC-DOS/MS-DOS ; SOFTWARE: Patent In Release #1.0, Version #1.30 ; CURRENT APPLICATION DATA: ; APPLICATION NUMBER: US/09/352,302 ; FILING DATE: 12-JUL-1999 ; CLASSIFICATION: ; PRIOR APPLICATION DATA: ; APPLICATION NUMBER: JP 6-321705 ; FILING DATE: 30-NOV-1994 ; PRIOR APPLICATION DATA: ; APPLICATION NUMBER: JP 7-214206 ; FILING DATE: 31-JUL-1995 ; ATTORNEY/AGENT INFORMATION: ; NAME: Goldberg, Jules E ; REGISTRATION NUMBER: 24408 ; REFERENCE/DOCKET NUMBER: JG-YY-4363PCT/D ; TELECOMMUNICATION INFORMATION: ; TELEPHONE: 212 986-4090 ; TELEFAX: 212 818-9479 ; INFORMATION FOR SEQ ID NO: 3: ; SEQUENCE CHARACTERISTICS: ; LENGTH: 1906 base pairs ; TYPE: nucleic acid ; STRANDEDNESS: single ; TOPOLOGY: linear ; MOLECULE TYPE: cDNA ; HYPOTHETICAL: NO ; ANTI-SENSE: NO ; ORIGINAL SOURCE: ; ORGANISM: Bos taurus ; TISSUE TYPE: Vascular endothelial cells ; IMMEDIATE SOURCE: ; LIBRARY: Bovine aortic endothelial cells cDNA ; CLONE: pBLOX-1 ; FEATURE: ; NAME/KEY: polyA_site ; LOCATION: 1889..1906 ; FEATURE: ; NAME/KEY: misc_RNA ; LOCATION: 1864..1873 ; OTHER INFORMATION: /function= "PolyA signal" ; FEATURE: ; NAME/KEY: 5'UTR			

LOCATION: 1..34  
FEATURE:  
NAME/KEY: 3'UTR  
LOCATION: 857..1906  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 35..856  
US-09-352-302-3

Query Match 38.6%; Score 287.2; DB 3; Length 1906;  
Best Local Similarity 71.0%; Pred. No. 6.4e-79;  
Matches 395; Conservative 0; Mismatches 158; Indels 3; Gaps 1;

QY 183 AGCCCTGCAGAGCTGCAACTCTCAGAGGAGTCCAGAGAGAACTCAAGGGAAGAT 242  
DB 289 AGCCAGCGCGGATCAGAAATCTGCCAGGAGTACAGAGAACTCAAGAAATGAT 348  
QY 243 AGACACCTCACCTTGAAGCTGAACGAGAAATCCAAAGAGCAGGAGCTTCTACAGAA 302  
DB 349 AGAACCTTGCCACAGCTGGTGAAGATCCAGAACTAATGGAATTCACGCCA 408  
QY 303 GAATCAGAACTCAGAAAGCCCTGCAAGAGCTGCAAACTTTTCAGGCTTGTTCACA 362  
DB 409 GAACCTGAATCTCCAAGACTTCTGAAGAGGAGCAGCAAACTATTCAAGTCTTGTCCCA 468  
QY 363 AGACTGCTCTGCATAAAGAACTGTTACC--TCTTCCATGGGCCCTTGGCTGGGA 419  
DB 469 AGACTGCTCTGCATGAAGAAACTGTTACCAATTTTCTCTGGCTCTTTAATTTGGGA 528  
QY 420 AAAAAACCGGACAGCTGCCAATCTTTGGGTGGCCAGTTACTACAAATTAATGGTCAGA 479  
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QY 720 GAAGACAAATCATTTG 735  
DB 829 GAAGGGAATCTATTG 844

RESULT 7  
US-08-688-342-2

Sequence 2, Application US/08688342  
Patent No. 5871964  
GENERAL INFORMATION:  
APPLICANT: Au-Young, Janice  
APPLICANT: Cocks, Benjamin G.  
APPLICANT: Goli, Surya K.  
APPLICANT: Hillman, Jennifer L.  
TITLE OF INVENTION: NOVEL HUMAN C-TYPE LECTIN  
NUMBER OF SEQUENCES: 5  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Incyte Pharmaceuticals, Inc.  
STREET: 3174 Porter Drive  
CITY: Palo Alto  
STATE: CA  
COUNTRY: US  
ZIP: 94304  
COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq Version 1.5  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/688,342  
FILING DATE: Filed Herewith  
ATTORNEY/AGENT INFORMATION:  
NAME: Billings, Lucy J.  
REGISTRATION NUMBER: 36,749  
REFERENCE/DOCKET NUMBER: PF-0095-1 CIP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-855-0555  
TELEFAX: 415-845-4166  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 990 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
IMMEDIATE SOURCE:  
LIBRARY: MMLR1D701  
CLONE: 515847  
US-08-688-342-2

Query Match 9.7%; Score 72.4; DB 2; Length 990;  
Best Local Similarity 52.8%; Pred. No. 1.4e-12;  
Matches 204; Conservative 0; Mismatches 176; Indels 6; Gaps 2;

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QY 404 GCGCCCTT---TGGCTGGGAAAAAACCGGAGACCTGCCAATCTTTGGGTGGCCAGTTAC 460  
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QY 698 TTGCATTTCAGCATATGTTCAGAAAG 723  
DB 643 CCTCATATAGTATTTGTGAGAGAG 668

RESULT 8

US-09-113-788-2  
Sequence 2, Application US/09113788  
Patent No. 5969104  
GENERAL INFORMATION:  
APPLICANT: Au-Young, Janice  
APPLICANT: Cocks, Benjamin G.  
APPLICANT: Goli, Surya K.  
APPLICANT: Hillman, Jennifer L.  
TITLE OF INVENTION: NOVEL HUMAN C-TYPE LECTIN  
NUMBER OF SEQUENCES: 5  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Incyte Pharmaceuticals, Inc.  
STREET: 3174 Porter Drive







Db 447 TTCCTAATTGGATCATGATGGGAAGAGCTGTTACCTATTAGCTTCTCAGAAATTCCT 506  
Qy 416 GGGAAAAACCGGAGACCTGCCAAATCTTTGGGTGGCCAGTTACTACAAATTAATGTG 475  
Db 507 GGTATGGAAGTAAGAGACACTGCTCCAGTAGTGTCTCACTACTGAAGATAGACAACT 566  
Qy 476 CAGATGATCTGACATTCATCTTA---CAAGCAATTTCCCATACCACTCCCGCATTTCTGA 532  
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Qy 713 CTCAGAAGAA 722  
Db 807 GTGAGAAGGA 816

RESULT 12  
US-08-232-463-14/c  
; Sequence 14, Application US/08232463  
; Patent No. 5670367  
; GENERAL INFORMATION:  
; APPLICANT: DORNER, F.  
; APPLICANT: SCHEIFLINGER, F.  
; APPLICANT: FALKNER, F. G.  
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS  
; NUMBER OF SEQUENCES: 52  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Foley & Lardner  
; STREET: 1800 Diagonal Road, Suite 500  
; CITY: Alexandria  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22313-0299  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/232,463  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/07/935,313  
; FILING DATE:  
; APPLICATION NUMBER: EP 91 114 300.6  
; FILING DATE: 26-AUG-1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: BENT, Stephen A.  
; REGISTRATION NUMBER: 29,768  
; REFERENCE/DOCKET NUMBER: 30472/114 IMMU  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (703)836-9300  
; TELEFAX: (703)683-4109  
; TELEX: 899149  
; INFORMATION FOR SEQ ID NO: 14:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 7218 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:

; CLONE: pTZgpt-Fls  
US-08-232-463-14  
Query Match 8.0%; Score 59.4; DB 1; Length 7218;  
Best Local Similarity 4.9%; Pred. No. 4.1e-08;  
Matches 18; Conservative 211; Mismatches 142; Indels 0; Gaps 0;  
Qy 10 GATGACAAGATGAAGCTTCGGAATGACGAGCCTGATCAGAGTCAATGTCGCAAGAAGCCT 69  
Db 1397 RRR 1338  
Qy 70 AAAGAGAGTCCCGAGAGAACTCAAGGGAAGATAGACACCATCACCCCGAAGCTGAC 129  
Db 1337 RRR 1278  
Qy 130 GAGAAATCCAAAGAGCAGGAGGAGCTTCTGCAGATGATTCAGAACTCCCAAGAGCCCTG 189  
Db 1277 RRR 1218  
Qy 190 CAGAGACTCAAACTCTTCAGAGAGTCCGAGAGAACTCAAGGAAAGATAGACAC 249  
Db 1217 RRR 1158  
Qy 250 CTCACCTTGAAGCTGAAGAGAAATCAAAGAGCAGGAGGAGCTTCTACAGAAGATCAG 309  
Db 1157 RRR 1098  
Qy 310 AACCTCAAGAAGCCCTGCAAGAGCTGCAAACTTTTCAGGTCTCTTCCACAGAGCTGG 369  
Db 1097 RRR 1038  
Qy 370 CTCGGCATAA 380  
Db 1037 CTCGGAATTA 1027  
RESULT 13  
US-08-772-440-9  
; Sequence 9, Application US/08772440  
; Patent No. 6046158  
; GENERAL INFORMATION:  
; APPLICANT: Ariizumi, Kiyoshi  
; APPLICANT: Takashima, Akira  
; TITLE OF INVENTION: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE  
; TITLE OF INVENTION: LECTINS, DEXTIN-1 AND DEXTIN-2; COMPOSITIONS AND USES  
; TITLE OF INVENTION: THEREOF  
; NUMBER OF SEQUENCES: 42  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Arnold, White & Durkee  
; STREET: P.O. Box 4433  
; CITY: Houston  
; STATE: Texas  
; COUNTRY: USA  
; ZIP: 77210  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/772,440  
; FILING DATE: CONCURRENTLY HERewith  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Parker, David L.  
; REGISTRATION NUMBER: 32,165  
; REFERENCE/DOCKET NUMBER: UTXD:493  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 512/418-3000  
; TELEFAX: 512/474-7577  
; INFORMATION FOR SEQ ID NO: 9:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 378 base pairs

TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-772-440-9

Query Match 6.7%; Score 49.6; DB 3; Length 378;  
Best Local Similarity 51.3%; Pred. No. 9.3e-06;  
Matches 115; Conservative 0; Mismatches 109; Indels 0; Gaps 0;  
QY 499 CAAGCAATTTCCATACACCTCCCATCTCGGATTGGATTGTCATCGGAAGAAGCCCTGGC 558  
Db 151 CAAACATCGTCTCACCGTATTAATGATTTTGGATAGGCTTTCCCGCAATCAGATGAA 210  
QY 559 CAACATGGCTATGGGAGATGAACTCCCTTTGAATTTTCAATCTTTAAGACCGAGGGC 618  
Db 211 GGGCCATGGTTCTGGGAGGATGGATCAGCATTTCTCCCAACTCGTTTCAAGTCAGAAAT 270  
QY 619 GTTCTTTACAGCTATATTCATCAAGCAACTGTGCATACCTTCAAGACGGAGCTGTGTTT 678  
Db 271 ACAGTTCCTCCAGGAAAGCTTACTGCAATTTGTATGATTTATGATCAGAGGCTTAC 330  
QY 679 GCTGAAATGCAATTTCAATTTGATTCAGCATATGTCAGAAAGAA 722  
Db 331 AACCAATCTGCACTACTTCTTCATACAGTATCTGTGAGAAGGA 374

RESULT 14

US-08-938-105-2  
Sequence 2, Application US/08938105  
Patent No. 6353151  
GENERAL INFORMATION:  
APPLICANT: Leinwand, Leslie A.  
APPLICANT: Vikstrom, Karen L.  
TITLE OF INVENTION: TRANSGENIC MODEL FOR HEART FAILURE  
NUMBER OF SEQUENCES: 3  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Sheridan Ross P.C.  
STREET: 1700 Lincoln St., Suite 3500  
CITY: Denver  
STATE: CO  
COUNTRY: U.S.A.  
ZIP: 80203  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/938,105  
FILING DATE:  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Crook, Wanneil M.  
REGISTRATION NUMBER: 31,071  
REFERENCE/DOCKET NUMBER: 3595-4  
TELEPHONE: (303) 863-9700  
TELEFAX: (303) 863-0223  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 5661 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 1...5661  
US-08-938-105-2

Query Match 6.1%; Score 45.2; DB 4; Length 5661;  
Best Local Similarity 46.1%; Pred. No. 0.00089;  
Matches 152; Conservative 0; Mismatches 178; Indels 0; Gaps 0;

QY 13 GACAAATGAAGCCTCGAATGACGAGCCTGATCAGAAGTCATGTGCGAAGAGCCTAAA 72  
Db 2563 GACCAGCTGATCAAGAACAAAGATCCAGCTGGAGGCCAAGGTGAAGAGATGACCCAGAGG 2622  
QY 73 GAGGAGTCCAGAGAGAACTCAAGGAAAGATAGACACCATCACCCGGAAGCTGGACGAG 132  
Db 2623 CTGGAGGAGGAGGAGATGACGCCGAGCTCAGGCCCAAGAGCGCAAGCTGGAAGAC 2682  
QY 133 AAATCCAAAGACGAGGAGGCTTCTGAGATGATTGATTCAGAACTTCAAGAGCCCTGCGAG 192  
Db 2683 GAGTGTCTAGAGCTCAAGAAAGATATCGATGATCTGAGCTGACCTGGCCCAAGGTGGAG 2742  
QY 193 AGAGCTGCAAACTCTTCAGAGGAGTCCAGAGAGAACTCAAGGAAAGATAGACACCTC 252  
Db 2743 AAGGAAAAGCAGCAACAGAGAAAGGTTTAAACCTTGACAGAGGATGCCCGGGCTG 2802  
QY 253 ACCTTGAAGCTGAACAGAGAAATCCAAAGACGAGGAGGAGCTTCTACAGAAAGATCAGAAC 312  
Db 2803 GACGAGATCNTTCCCAAGCTGACCAAGGAGAGAAAGCTCTTCAAGAGGCCCCACAGCAA 2862  
QY 313 CTCCAAGAGCCCTGCAAGAGCTGCAAAAC 342  
Db 2863 GGCCTAGTAGTACCTTCAGGCTGAGGAGAC 2892

RESULT 15

US-08-182-175A-104  
Sequence 104, Application US/08182175A  
Patent No. 5559223  
GENERAL INFORMATION:  
APPLICANT: Saverio Carl Falco  
APPLICANT: Sharon J. Keeler  
TITLE OF INVENTION: Synthetic Storage Proteins with Defined Structure Containing  
NUMBER OF SEQUENCES: 113  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: E.I. du Pont de Nemours and Company  
STREET: 1007 Market Street  
CITY: Wilmington  
STATE: Delaware  
COUNTRY: USA  
ZIP: 19898  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy Disk  
COMPUTER: Macintosh  
OPERATING SYSTEM: Macintosh System, 6.0  
SOFTWARE: Microsoft Word, 4.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/182,175A  
FILING DATE:  
CLASSIFICATION: 800  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/743,006  
FILING DATE: 9 August 1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Linda Axamethy Floyd  
REGISTRATION NUMBER: 33,692  
REFERENCE/DOCKET NUMBER: BB-1031  
TELEPHONE: (302) 992-4929  
TELEFAX: (302) 892-7949  
TELEX: 835420  
INFORMATION FOR SEQ ID NO: 104:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 340 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
ORIGINAL SOURCE:  
STRAIN: E. coli  
CELL TYPE: DH5 alpha

Search completed: December 18, 2003, 23:36:02  
Job time.: 68 secs

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: December 18, 2003, 22:37:46 ; Search time 303 seconds  
(without alignments)  
8182.044 Million cell updates/sec

Title: US-09-898-554-13

Perfect score: 744

Sequence: 1 atgacttttgatgacaagat.....caaatcattgcaaatag 744

Scoring table: IDENTITY NUC  
Gapop 10.0 , Gapext 1.0

Searched: 2211978 seqs, 1666101734 residues

Total number of hits satisfying chosen parameters: 4423956

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : Published Applications NA:\*

- 1: /cgn2\_6/ptodata/2/pubpna/US07\_PUBCOMB.seq:\*
- 2: /cgn2\_6/ptodata/2/pubpna/PCT\_NEW\_PUB.seq:\*
- 3: /cgn2\_6/ptodata/2/pubpna/US06\_NEW\_PUB.seq:\*
- 4: /cgn2\_6/ptodata/2/pubpna/US06\_PUBCOMB.seq:\*
- 5: /cgn2\_6/ptodata/2/pubpna/US07\_NEW\_PUB.seq:\*
- 6: /cgn2\_6/ptodata/2/pubpna/PCTUS\_PUBCOMB.seq:\*
- 7: /cgn2\_6/ptodata/2/pubpna/US08\_NEW\_PUB.seq:\*
- 8: /cgn2\_6/ptodata/2/pubpna/US08\_PUBCOMB.seq:\*
- 9: /cgn2\_6/ptodata/2/pubpna/US09A\_PUBCOMB.seq:\*
- 10: /cgn2\_6/ptodata/2/pubpna/US09B\_PUBCOMB.seq:\*
- 11: /cgn2\_6/ptodata/2/pubpna/US09C\_PUBCOMB.seq:\*
- 12: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq:\*
- 13: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq:\*
- 14: /cgn2\_6/ptodata/2/pubpna/US10A\_PUBCOMB.seq:\*
- 15: /cgn2\_6/ptodata/2/pubpna/US10B\_PUBCOMB.seq:\*
- 16: /cgn2\_6/ptodata/2/pubpna/US10\_NEW\_PUB.seq:\*
- 17: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq:\*
- 18: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	744	100.0	744	11	US-09-898-554-13
2	671.4	90.2	1092	11	US-09-898-554-19
3	671.4	90.2	1192	11	US-09-898-554-12
4	668.2	89.8	3763	13	US-09-870-759-141
5	668.2	89.8	3763	13	US-09-751-708A-141
6	635.4	82.7	1092	11	US-09-898-554-11
7	531.8	71.5	606	11	US-09-898-554-15
8	526.8	70.8	3750	10	US-09-917-800A-474
9	526.8	70.8	3750	13	US-10-220-511-14
10	526.4	70.8	721	11	US-09-898-554-28
11	393.8	52.9	468	11	US-09-898-554-17
12	374.8	50.4	773	11	US-09-898-554-21
13	338.2	45.5	621	11	US-09-898-554-25
14	330.2	44.4	712	11	US-09-898-554-27
15	298.2	40.1	2468	13	US-10-220-511-1

16	298.2	40.1	2473	15	US-10-198-846-13722	Sequence 13722, A
17	293.6	39.5	1578	13	US-10-220-511-12	Sequence 12, Appl
18	287.2	38.6	1879	13	US-10-220-511-3	Sequence 3, Appl
19	277.8	37.3	736	15	US-10-198-846-9641	Sequence 9641, Ap
20	277.6	37.3	1514	13	US-10-220-511-10	Sequence 10, Appl
21	188.8	25.4	495	11	US-09-898-554-23	Sequence 23, Appl
22	170.4	22.9	2350	14	US-10-114-893-47	Sequence 47, Appl
c 23	96.2	12.9	912	15	US-10-198-846-7416	Sequence 7416, Ap
24	74.4	10.0	1018	13	US-10-270-470-5	Sequence 5, Appl
25	72.4	9.7	880	13	US-10-270-470-7	Sequence 7, Appl
26	72.4	9.7	2349	15	US-10-102-524-1760	Sequence 1760, Ap
27	72.4	9.7	2354	15	US-10-102-524-1749	Sequence 1749, Ap
28	72.4	9.7	2478	10	US-09-978-295A-476	Sequence 476, App
29	72.4	9.7	2478	10	US-09-978-697-476	Sequence 476, App
30	72.4	9.7	2478	10	US-09-978-192A-476	Sequence 476, App
31	72.4	9.7	2478	10	US-09-999-832A-476	Sequence 476, App
32	72.4	9.7	2478	11	US-09-978-189-476	Sequence 476, App
33	72.4	9.7	2478	11	US-09-978-608A-476	Sequence 476, App
34	72.4	9.7	2478	11	US-09-978-585A-476	Sequence 476, App
35	72.4	9.7	2478	11	US-09-978-191A-476	Sequence 476, App
36	72.4	9.7	2478	11	US-09-978-403A-476	Sequence 476, App
37	72.4	9.7	2478	11	US-09-978-564A-476	Sequence 476, App
38	72.4	9.7	2478	11	US-09-999-833A-476	Sequence 476, App
39	72.4	9.7	2478	11	US-09-981-915A-476	Sequence 476, App
40	72.4	9.7	2478	11	US-09-978-824-476	Sequence 476, App
41	72.4	9.7	2478	11	US-09-918-585A-476	Sequence 476, App
42	72.4	9.7	2478	11	US-09-978-423A-476	Sequence 476, App
43	72.4	9.7	2478	11	US-09-978-193A-476	Sequence 476, App
44	72.4	9.7	2478	11	US-09-999-830A-476	Sequence 476, App
45	72.4	9.7	2478	11	US-09-978-757A-476	Sequence 476, App

ALIGNMENTS

RESULT 1

US-09-898-554-13  
; Sequence 13, Application US/09898554  
; Publication No. US20030068673A1  
; GENERAL INFORMATION:  
; APPLICANT: TALL, ALAN R  
; APPLICANT: WELCH, CARRIE L  
; APPLICANT: LIANG, CHIEN-PING  
; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 (ATHSQ1) AND ATHER  
; TITLE OF INVENTION: SUSCEPTIBILITY GENE LOCUS 2 (ATHSQ2)  
; FILE REFERENCE: 0575/64077  
; CURRENT APPLICATION NUMBER: US/09/898,554  
; CURRENT FILING DATE: 2001-07-02  
; NUMBER OF SEQ ID NOS: 40  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 13  
; LENGTH: 744  
; TYPE: DNA  
; ORGANISM: Murinae gen. sp.  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)..(744)  
; OTHER INFORMATION:  
; NAME/KEY: misc feature  
; OTHER INFORMATION: Isoform 7  
US-09-898-554-13

Query Match 100.0%; Score 744; DB 11; Length 744;

Best Local Similarity 100.0%; Pred. No. 5e-234;  
Matches 744; Conservativity 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGACCTTTTGTATGACCAAGATGAAGCCCTGCGAATGACGAGCTGATCAGAGTCAATGTGGC 60

Db 1 ATGACCTTTTGTATGACCAAGATGAAGCCCTGCGAATGACGAGCTGATCAGAGTCAATGTGGC 60

Qy 61 AAGAGCCTAAAGAGGAGTCCAGAGAGACTCAAGGAAAGATAGACACATCACCCTG 120

Db 61 AAGAGCCTAAAGAGGAGTCCAGAGAGACTCAAGGAAAGATAGACACATCACCCTG 120

121 AAGCTGACGAGAAATCAAAGACGAGGAGGCTTCTGCAGATGATTCAGAACCTCCAA 180  
 121 AAGCTGACGAGAAATCAAAGACGAGGAGGCTTCTGCAGATGATTCAGAACCTCCAA 180  
 181 GAAGCCCTGACGAGAGCTGCAAACTCTTCAGAGGAGTCCAGAGAGAACTCAAGGGAAG 240  
 181 GAAGCCCTGACGAGAGCTGCAAACTCTTCAGAGGAGTCCAGAGAGAACTCAAGGGAAG 240  
 241 ATAGACACCTCAGCTTGAAGCTGAACGAGAAATCCAAAGACGAGGAGGCTTCTGCAG 300  
 241 ATAGACACCTCAGCTTGAAGCTGAACGAGAAATCCAAAGACGAGGAGGCTTCTGCAG 300  
 301 AAGNATCAGAACCTCAGAGAGCCCTGCAAGAGCTGCAAACTTTCAGGTCCTTGTCCA 360  
 301 AAGNATCAGAACCTCAGAGAGCCCTGCAAGAGCTGCAAACTTTCAGGTCCTTGTCCA 360  
 361 CAAGACTGGCTCTGGCATAAAGAAACTGTTTACCTCTTCCATGGGCCCTTTGGCTGGAA 420  
 361 CAAGACTGGCTCTGGCATAAAGAAACTGTTTACCTCTTCCATGGGCCCTTTGGCTGGAA 420  
 421 AAAAAACGGCAGACCTGCCAATCTTTGGGTGGCCAGTTACTACAAATTAATGTGCAGAT 480  
 421 AAAAAACGGCAGACCTGCCAATCTTTGGGTGGCCAGTTACTACAAATTAATGTGCAGAT 480  
 481 GATCTGACATTCATCTTACAGCAATTTCCATACCACTCCCACTTCTGGATGGATTG 540  
 481 GATCTGACATTCATCTTACAGCAATTTCCATACCACTCCCACTTCTGGATGGATTG 540  
 541 CATCGGAAGAGCTGGCCAACTATGGGATGAGAACTGCAATCTCTTGAATTTTCAA 600  
 541 CATCGGAAGAGCTGGCCAACTATGGGATGAGAACTGCAATCTCTTGAATTTTCAA 600  
 601 TTCTTTAAGACGAGGCGGTTCTTTACAGCTATATTCATCAAGCACTGTGCATACCTT 660  
 601 TTCTTTAAGACGAGGCGGTTCTTTACAGCTATATTCATCAAGCACTGTGCATACCTT 660  
 661 CAAGACGAGCTGTGTCGCTGAAACTGCAATCTTCAATTCAGATATCTCAGAG 720  
 661 CAAGACGAGCTGTGTCGCTGAAACTGCAATCTTCAATTCAGATATCTCAGAG 720  
 721 AAGACAAATCATTTGCAAAATTAG 744  
 721 AAGACAAATCATTTGCAAAATTAG 744

RESULT 2

US-09-898-554-19  
 ; Sequence 19, Application US/09898554  
 ; Publication No. US20030068673A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: TALL, ALAN R  
 ; APPLICANT: WELCH, CARRIE L  
 ; APPLICANT: LIANG, CHIEN-PING  
 ; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 ( ATHS01) AND ATHERO  
 ; TITLE OF INVENTION: SUSCEPTIBILITY GENE LOCUS 2 (ATHS02)  
 ; FILE REFERENCE: 0575/64077  
 ; CURRENT APPLICATION NUMBER: US/09/898,554  
 ; CURRENT FILING DATE: 2001-07-02  
 ; NUMBER OF SEQ ID NOS: 40  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 19  
 ; LENGTH: 1092  
 ; TYPE: DNA  
 ; ORGANISM: Murinae gen. sp.  
 ; FEATURE:  
 ; NAME/KEY: CDS  
 ; LOCATION: (1)..(1092)  
 ; OTHER INFORMATION:  
 ; NAME/KEY: misc\_feature  
 ; OTHER INFORMATION: Isoform 1  
 ; US-09-898-554-19

Query Match 90.2%; Score 671.4; DB 11; Length 1092;  
 Best Local Similarity 99.1%; Pred. No. 5.2e-210;  
 Matches 675; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

64 AAGCCCTAAGAGAGCTCCAGAGAGAACTCAAGGGAAGATAGACACCATCACCCGGAAG 123  
 412 AACTCTTCAGAGAGTCCAGAGAGAACTCAAGGGAAGATAGACACCATCACCCGGAAG 471  
 124 CTGGACGAGAAATCCAAAGACGAGGAGGCTTTCAGAGATGATTCAGAACCTCACAAGAA 183  
 472 CTGGACGAGAAATCCAAAGACGAGGAGGCTTTCAGAGATGATTCAGAACCTCACAAGAA 531  
 184 GCCCTGACAGAGCTGCAAACTCTTCAGAGAGTCCCAAGAGAACTCAAGGGAAGATA 243  
 532 GCCCTGACAGAGCTGCAAACTCTTCAGAGAGTCCCAAGAGAACTCAAGGGAAGATA 591  
 244 GACACCTTCACCTTGAAGCTGAACGAGAAATCCAAAGACGAGGAGGCTTTCACAGAAG 303  
 592 GACACCTTCACCTTGAAGCTGAACGAGAAATCCAAAGACGAGGAGGCTTTCACAGAAG 651  
 304 AATCAGAACCTCAGAGAGCCCTGCAAGAGCTGCAAACTTTCAGGTCCTTGTCCA 363  
 652 AATCAGAACCTCAGAGAGCCCTGCAAGAGCTGCAAACTTTCAGGTCCTTGTCCA 711  
 364 GACTGGCTCTGGCATAAAGAAACTGTTTACCTCTTCCATGGGCCCTTTGGCTGGGAAAA 423  
 712 GACTGGCTCTGGCATAAAGAAACTGTTTACCTCTTCCATGGGCCCTTTAGCTGGGAAAA 771  
 424 AACCGGACGAGCTGCCAATCTTTGGGTGGCCAGTTACTACAAATTAATGGTGCAGATGAT 483  
 772 AACCGGACGAGCTGCCAATCTTTGGGTGGCCAGTTACTACAAATTAATGGTGCAGATGAT 831  
 484 CTGACATTCATCTTCAAGCAATTTCCATACCACTCCCACTTCTGGATGGATTCAT 543  
 832 CTGACATTCATCTTCAAGCAATTTCCATACCACTCCCACTTCTGGATGGATTCAT 891  
 544 CGGAAGAGCCCTGGCCAACTATGGGAGAACTGAACTCTTTCGATTTTCAATTC 603  
 892 CGGAAGAGCCCTGGCCAACTATGGGAGAACTGAACTCTTTCGATTTTCAATTC 951  
 604 TTAAAGACGAGGCGGTTTCTTTACAGCTATATTCATCAAGCAACTGTGCATACCTTCAA 663  
 952 TTAAAGACGAGGCGGTTTCTTTACAGCTATATTCATCAAGCAACTGTGCATACCTTCAA 1011  
 664 GACGAGGCTGTGTCGCTGAAACTGCAATCTTAAATTCAGATATGTCAGAGAGAG 723  
 1012 GACGAGGCTGTGTCGCTGAAACTGCAATCTTAAATTCAGATATGTCAGAGAGAG 1071  
 724 ACAATCATTTGCAAAATTAG 744  
 1072 ACAATCATTTGCAAAATTAG 1092

RESULT 3

US-09-898-554-12  
 ; Sequence 12, Application US/09898554  
 ; Publication No. US20030068673A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: TALL, ALAN R  
 ; APPLICANT: WELCH, CARRIE L  
 ; APPLICANT: LIANG, CHIEN-PING  
 ; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 ( ATHS01) AND ATHERO  
 ; TITLE OF INVENTION: SUSCEPTIBILITY GENE LOCUS 2 (ATHS02)  
 ; FILE REFERENCE: 0575/64077  
 ; CURRENT APPLICATION NUMBER: US/09/898,554  
 ; CURRENT FILING DATE: 2001-07-02  
 ; NUMBER OF SEQ ID NOS: 40  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 12  
 ; LENGTH: 1192  
 ; TYPE: DNA  
 ; ORGANISM: Murinae gen. sp.  
 ; FEATURE:

; NAME/KEY: misc\_feature  
; OTHER INFORMATION: M-Isoform 1  
US-09-898-554-12

Query Match 90.2%; Score 671.4; DB 11; Length 1192;  
Best Local Similarity 99.1%; Pred. No. 5.4e-210; Indels 0; Gaps 0;  
Matches 675; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 64 AAGCCTAAGAGAGTCCAGAGAGAACTCAAGGAAAGATAGACACCATCACCGGAAG 123  
Db 512 AACTCTTCAGAGAGTCCAGAGAGAACTCAAGGAAAGATAGACACCATCACCGGAAG 571  
Qy 124 CTGGACGAGAAATCCAAAGAGAGAGAGCTTCTGAGATGATTCAGAACTCCAGAA 183  
Db 572 CTGGACGAGAAATCCAAAGAGAGAGAGCTTCTGAGATGATTCAGAACTCCAGAA 631  
Qy 184 GCCCTGCAGAGAGTCCAAAGAGAGAGAGTCCAGAGAGAGTCCAGAGAGAGAT 243  
Db 632 GCCCTGCAGAGAGTCCAAAGAGAGAGAGTCCAGAGAGAGTCCAGAGAGAGAT 691  
Qy 244 GACACCTTCACCTTGAAGCTGAACGAGAGAAATCCAAAGAGAGAGAGTCTTACAGAA 303  
Db 692 GACACCTTCACCTTGAAGCTGAACGAGAGAAATCCAAAGAGAGAGAGTCTTACAGAA 751  
Qy 304 AATCAGAACTTCAGAGAGAGTCCAAAGAGAGAGAGTCTTACAGAGTCTTGTCCAA 363  
Db 752 AATCAGAACTTCAGAGAGAGTCCAAAGAGAGAGAGTCTTACAGAGTCTTGTCCAA 811  
Qy 364 GACTGGCTCTGCAATTAAGAGAACTGTTACCTCTTCCATGGCCCTTTGGCTGGGAAA 423  
Db 812 GACTGGCTCTGCAATTAAGAGAACTGTTACCTCTTCCATGGCCCTTTGGCTGGGAAA 871  
Qy 424 AACCGGAGAGCTGCAATTTTGGGTGGCCAGTTTACTACAAATTAATGGTGCAGATGAT 483  
Db 872 AACCGGAGAGCTGCAATTTTGGGTGGCCAGTTTACTACAAATTAATGGTGCAGATGAT 931  
Qy 484 CTGACATTCATCTTACAGAGAAATTTCCATACCACTCCCATCTTCCATGGATGGATGAT 543  
Db 932 CTGACATTCATCTTACAGAGAAATTTCCATACCACTCCCATCTTCCATGGATGGATGAT 991  
Qy 544 CGGAGAGAGCTGGCCAGCACTGCTATGGGAGAGTGAACCTCTTCAATTTTCAATTC 603  
Db 992 CGGAGAGAGCTGGCCAGCACTGCTATGGGAGAGTGAACCTCTTCAATTTTCAATTC 1051  
Qy 604 TTAAAGACAGGGGGCTTTCTTACAGCTATATTCATCAAGCAACTGTGCATACCTTCAA 663  
Db 1052 TTAAAGACAGGGGGCTTTCTTACAGCTATATTCATCAAGCAACTGTGCATACCTTCAA 1111  
Qy 664 GACGAGCTGTGTTCCGCTGAAACCTGCAATTCATCAAGCAACTGTGCATACCTTCAA 723  
Db 1112 GACGAGCTGTGTTCCGCTGAAACCTGCAATTCATCAAGCAACTGTGCATACCTTCAA 1171  
Qy 724 ACAATCATTTGCAAAATTTAG 744  
Db 1172 ACAATCATTTGCAAAATTTAG 1192

RESULT 4  
US-09-870-759-141  
; Sequence 141, Application US/09870759  
; Patent No. US20020177551A1  
; GENERAL INFORMATION:  
; APPLICANT: TERMAN, David S  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE  
; FILE REFERENCE: 870759  
; CURRENT APPLICATION NUMBER: US/09/870,759  
; CURRENT FILING DATE: 2002-01-14  
; PRIOR APPLICATION NUMBER: US 60/208,128  
; PRIOR FILING DATE: 2000-05-30  
; NUMBER OF SEQ ID NOS: 166  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 141  
; LENGTH: 3763

; TYPE: DNA  
; ORGANISM: Mus musculus  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (48)..(1139)  
; OTHER INFORMATION:  
US-09-870-759-141

Query Match 89.8%; Score 668.2; DB 10; Length 3763;  
Best Local Similarity 98.8%; Pred. No. 1.2e-208;  
Matches 673; Conservative 0; Mismatches 8; Indels 0; Gaps 0;  
Qy 64 AAGCCTAAGAGAGTCCAGAGAGAACTCAAGGAAAGATAGACACCATCACCGGAAG 123  
Db 459 AACTCTTCAGAGAGTCCAGAGAGAACTCAAGGAAAGATAGACACCATCACCGGAAG 518  
Qy 124 CTGGACGAGAAATCCAAAGAGAGAGAGCTTCTGAGATGATTCAGAACTCCAGAA 183  
Db 519 CTGGACGAGAAATCCAAAGAGAGAGAGCTTCTGAGATGATTCAGAACTCCAGAA 578  
Qy 184 GCCCTGCAGAGAGTCCAAAGAGAGAGTCCAGAGAGAGTCCAGAGAGAGAT 243  
Db 579 GCCCTGCAGAGAGTCCAAAGAGAGAGTCCAGAGAGAGTCCAGAGAGAGAT 638  
Qy 244 GACACCTTCACCTTGAAGCTGAACGAGAGAAATCCAAAGAGAGAGAGTCTTACAGAA 303  
Db 639 GACACCTTCACCTTGAAGCTGAACGAGAGAAATCCAAAGAGAGAGAGTCTTACAGAA 698  
Qy 304 AATCAGAACTTCAGAGAGAGTCCAAAGAGAGAGTCTTACAGAGTCTTGTCCAA 363  
Db 699 AATCAGAACTTCAGAGAGAGTCCAAAGAGAGTCTTACAGAGTCTTGTCCAA 758  
Qy 364 GACTGGCTCTGCAATTAAGAGAACTGTTACCTCTTCCATGGCCCTTTGGCTGGGAAA 423  
Db 759 GACTGGCTCTGCAATTAAGAGAACTGTTACCTCTTCCATGGCCCTTTAGCTGGGAAA 818  
Qy 424 AACCGGAGAGCTGCAATTTTGGGTGGCCAGTTTACTACAAATTAATGGTGCAGATGAT 483  
Db 819 AACCGGAGAGCTGCAATTTTGGGTGGCCAGTTTACTACAAATTAATGGTGCAGATGAT 878  
Qy 484 CTGACATTCATCTTACAGAGAAATTTCCATACCACTCCCATCTTCCATGGATGGATGAT 543  
Db 879 TTGACATTCATCTTACAGAGAAATTTCCATACCACTCCCATCTTCCATGGATGGATGAT 938  
Qy 544 CGGAGAGAGCTGGCCAGCACTGCTATGGGAGAGTGAACCTCTTCAATTTTCAATTC 603  
Db 939 CGGAGAGAGCTGGCCAGCACTGCTATGGGAGAGTGAACCTCTTCAATTTTCAATTC 998  
Qy 604 TTAAAGACAGGGGGCTTTCTTACAGCTATATTCATCAAGCAACTGTGCATACCTTCAA 663  
Db 999 TTAAAGACAGGGGGCTTTCTTACAGCTATATTCATCAAGCAACTGTGCATACCTTCAA 1058  
Qy 664 GACGAGCTGTGTTCCGCTGAAACCTGCAATTCATCAAGCAACTGTGCATACCTTCAA 723  
Db 1059 GACGAGCTGTGTTCCGCTGAAACCTGCAATTCATCAAGCAACTGTGCATACCTTCAA 1118  
Qy 724 ACAATCATTTGCAAAATTTAG 744  
Db 1119 ACAATCATTTGCAAAATTTAG 1139

RESULT 5  
US-09-751-708A-141  
; Sequence 141, Application US/09751708A  
; Publication No. US20030157113A1  
; GENERAL INFORMATION:  
; APPLICANT: TERMAN, David S  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE  
; FILE REFERENCE: 751708  
; CURRENT APPLICATION NUMBER: US/09/751,708A  
; CURRENT FILING DATE: 2002-10-15  
; PRIOR APPLICATION NUMBER: US 60/173,371  
; PRIOR FILING DATE: 1999-12-28

; NUMBER OF SEQ ID NOS: 166  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 141  
 ; LENGTH: 3763  
 ; TYPE: DNA  
 ; ORGANISM: Mus musculus  
 ; FEATURE:  
 ; NAME/KEY: CDS  
 ; LOCATION: (48)..(1139)  
 ; OTHER INFORMATION:  
 ; US-09-751-708A-141

Query Match 89.8%; Score 668.2; DB 13; Length 3763;  
 Best Local Similarity 98.8%; Pred. No. 1.2e-208;  
 Matches 673; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy	64	AAGCTTAAGAGGAGTCCAGAGAGAACTCAAGGGAAGATAGACACCATCACCCGGAAG	123
Db	459	AACCTCTCAGAGGAGTCCAGAGAGAACTCAAGGGAAGATAGACACCATCACCCGGAAG	518
Qy	124	CTGGACGAGAAATCCAAAGAGCAGGAGGCTTCTGCAGATGATTCAGACCTCCAGAA	183
Db	519	CTGGACGAGAAATCCAAAGAGCAGGAGGCTTCTGCAGATGATTCAGACCTCCAGAA	578
Qy	184	GCCCTGCAGAGAGTGCAAACTCTTCAGAGGAGTCCAGAGAGAACTCAAGGGAAGATA	243
Db	579	GCCCTGCAGAGAGTGCAAACTCTTCAGAGGAGTCCAGAGAGAACTCAAGGGAAGATA	638
Qy	244	GACACCTCAGCTTGAAGCTGAAAGAGCTGCAAGAGCTGCAAACTTTCAGGCTCTTCCACAA	303
Db	639	GACACCTCAGCTTGAAGCTGAAAGAGCTGCAAGAGCTGCAAACTTTCAGGCTCTTCCACAA	698
Qy	304	AATCAGAACCTCCAAAGAGCCTGCAAGAGCTGCAAACTTTCAGGCTCTTCCACAA	363
Db	699	AATCAGAACCTCCAAAGAGCCTGCAAGAGCTGCAAACTTTCAGGCTCTTCCACAA	758
Qy	364	GACTGGCTCTGGCATAAAGAAAAGCTGTTACCTCTTCCATGGGCGCTTTGGCTGGGAAAA	423
Db	759	GACTGGCTCTGGCATAAAGAAAAGCTGTTACCTCTTCCATGGGCGCTTTAGCTGGGAAAA	818
Qy	424	AACCGGAGACCTGCCAATCTTTGGTGGCCAGTTACTACAAATTAATGTGCAGATGAT	483
Db	819	AACCGGAGACCTGCCAATCTTTGGTGGCCAGTTACTACAAATTAATGTGCAGATGAT	878
Qy	484	CTGACATTCATCTTACAGCAATTTCCATACACCTCCCATCTCTGATTTGGATTGCAT	543
Db	879	TTGATTCATCTTACAGCAATTTCCATACACCTCCCATCTCTGATTTGGATTGCAT	938
Qy	544	CGGAAGAAGCTGGCCCAACCATGCTATGGAGAAATGGAATCTCTTTGAATTTCAATTC	603
Db	939	CGGAAGAAGCTGGCCCAACCATGCTATGGAGAAATGGAATCTCTTTGAATTTCAATTC	998
Qy	604	TTTAAGACGAGGGCGTTCTTTACAGTATATTCATCAGCAACTGTGCATACCTTCAA	663
Db	999	TTTAAGACGAGGGCGTTCTTTACAGTATATTCATCAGCAACTGTGCATACCTTCAA	1058
Qy	664	GACGAGCTGTGTCGTGAAAGCTGCAATTCATTCATTCAGCAATGTGCAGAAAG	723
Db	1059	GACGAGCTGTGTCGTGAAAGCTGCAATTCATTCATTCAGCAATGTGCAGAAAG	1118
Qy	724	ACAAATCATTTGCAAAATTTAG 744	
Db	1119	ACAAATCATTTGCAAAATTTAG 1139	

RESULT 6  
 US-09-898-554-11  
 ; Sequence 11, Application US/09898554  
 ; Publication No. US20030068673A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: TALL, ALAN R  
 ; APPLICANT: WELCH, CARRIE L  
 ; APPLICANT: LIANG, CHIEN-PING

; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 (ATHSQ1) AND ATHER.  
 ; FILE OF INVENTION: SUSCEPTIBILITY GENE LOCUS 2 (ATHSQ2)  
 ; CURRENT APPLICATION NUMBER: US/09/898,554  
 ; NUMBER OF SEQ ID NOS: 40  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 11  
 ; LENGTH: 1092  
 ; TYPE: DNA  
 ; ORGANISM: Murinae gen. sp.  
 ; FEATURE:  
 ; NAME/KEY: misc feature  
 ; OTHER INFORMATION: B-Isoform 1  
 ; US-09-898-554-11

Query Match 82.7%; Score 615.4; DB 11; Length 1092;  
 Best Local Similarity 94.0%; Pred. No. 1.4e-191;  
 Matches 640; Conservative 0; Mismatches 41; Indels 0; Gaps 0;

Qy	64	AAGCTTAAGAGGAGTCCAGAGAGAACTCAAGGGAAGATAGACACCATCACCCGGAAG	123
Db	412	AACCTCTCAGAGGAGTCCAGAGAGAACTCAAGGGAAGATAGACACCATCACCCGGAAG	471
Qy	124	CTGGACGAGAAATCCAAAGAGCAGGAGGCTTCTGCAGATGATTCAGAACTCCAAAGAA	183
Db	472	CTGGACGAGAAATCCAAAGAGCAGGAGGCTTCTGCAGATGATTCAGAACTCCAAAGAA	531
Qy	184	GCCCTGCAGAGAGTGCAAACTCTTCAGAGGAGTCCAGAGAGAACTCAAGGGAAGATA	243
Db	532	GCCCTGCAGAGAGTGCAAACTCTTCAGAGGAGTCCAGAGAGAACTCAAGGGAAGATA	591
Qy	244	GACACCTCAGCTTGAAGCTGAAAGAGCTGCAAGAGCTGCAAACTTTCAGGCTCTTCCACAA	303
Db	592	GACACCTCAGCTTGAAGCTGAAAGAGCTGCAAGAGCTGCAAACTTTCAGGCTCTTCCACAA	651
Qy	304	AATCAGAACCTCCAAAGAGCCTGCAAGAGCTGCAAACTTTCAGGCTCTTCCACAA	363
Db	652	AATCAGAACCTCCAAAGAGCCTGCAAGAGCTGCAAACTTTCAGGCTCTTCCACAA	711
Qy	364	GACTGGCTCTGGCATAAAGAAAAGCTGTTACCTCTTCCATGGGCGCTTTGGCTGGGAAAA	423
Db	712	GACTGGCTCTGGCATAAAGAAAAGCTGTTACCTCTTCCATGGGCGCTTTAGCTGGGAAAA	771
Qy	424	AACCGGAGACCTGCCAATCTTTGGTGGCCAGTTACTACAAATTAATGTGCAGATGAT	483
Db	772	AACCGGAGACCTGCCAATCTTTGGTGGCCAGTTACTACAAATTAATGTGCAGATGAT	831
Qy	484	CTGACATTCATCTTACAGCAATTTCCATACACCTCCCATCTCTGGATTTGGATTGCAT	543
Db	832	CTGACATTCATCTTACAGCAATTTCCATACACCTCCCATCTCTGGATTTGGATTGCAT	891
Qy	544	CGGAAGAAGCTGGCCCAACCATGCTATGGAGAAATGGAATCTCTTTGAATTTCAATTC	603
Db	892	CGGAAGAAGCTGGCCCAACCATGCTATGGAGAAATGGAATCTCTTTGAATTTCAATTC	951
Qy	604	TTTAAGACGAGGGCGTTCTTTACAGTATATTCATCAGCAACTGTGCATACCTTCAA	663
Db	952	TTTAAGACGAGGGCGTTCTTTACAGTATATTCATCAGCAACTGTGCATACCTTCAA	1011
Qy	664	GACGAGCTGTGTCGTGAAAGCTGCAATTCATTCATTCAGCAATGTGCAGAAAG	723
Db	1012	GGGGCGTTCTTTACAGCTTAAAGCTGCAATTCATTCATTCAGCAATGTGCAGAAAG	1071
Qy	724	ACAAATCATTTGCAAAATTTAG 744	
Db	1072	ACAAATCATTTGCAAAATTTAG 1092	

RESULT 7  
 US-09-898-554-15  
 ; Sequence 15, Application US/09898554  
 ; Publication No. US20030068673A1

GENERAL INFORMATION:  
APPLICANT: TALL, ALAN R  
APPLICANT: WELCH, CARRIE L  
APPLICANT: LIANG, CHIEN-PING  
TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 (ATHSQ1) AND ATHEROS  
TITLE OF INVENTION: SUSCEPTIBILITY GENE LOCUS 2 (ATHSQ2)  
FILE REFERENCE: 0575/64077  
CURRENT APPLICATION NUMBER: US/09/898,554  
CURRENT FILING DATE: 2001-07-02  
NUMBER OF SEQ ID NOS: 40  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 15  
LENGTH: 606  
TYPE: DNA  
ORGANISM: Murinae gen. sp.  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (1)..(606)  
OTHER INFORMATION:  
NAME/KEY: misc.feature  
OTHER INFORMATION: Isoform 8  
US-09-898-554-15

Query Match 71.5%; Score 531.8; DB 11; Length 606;  
Best Local Similarity 98.7%; Pred. No. 3.4e-164;  
Matches 536; Conservative 0; Mismatches 7; Indels 0; Gaps 0;  
QY 202 AACTCTTCCAGAGAGTCCAGAGAGAACTCAAGGGAAGATAGACACCTCTACCTTGAAG 261  
DB 64 AAGCTTAAGAGAGTCCAGAGAGAACTCAAGGGAAGATAGACACCTCTACCTTGAAG 123  
QY 262 CTGAACGAGAAATCCAAAGAGAGGAGGAGCTTTCTACAGAAGAAATCAGAACTCCAAAGAA 321  
DB 124 CTGAACGAGAAATCCAAAGAGAGGAGGAGCTTTCTACAGAAGAAATCAGAACTCCAAAGAA 183  
QY 322 GCCCTGCAAGAGCTGCAAACTTTTCAGGCTCTTGTCCACAGACTGGCTCTGGCATAAA 381  
DB 184 GCCCTGCAAGAGCTGCAAACTTTTCAGGCTCTTGTCCACAGACTGGCTTTGGCATAAA 243  
QY 382 GAAAACTGTACTCTTCCATGGCCCTTTGGCTGGGAAAAAACCAGGAGACCTGCCAA 441  
DB 244 GAAAACTGTACTCTTCCATGGCCCTTTAGCTGGGAAAAAACCAGGAGACCTGCCAA 303  
QY 442 TCTTTGGTGGCCAGTTACTACAAATTAATGGTGAGATGATCTGACATTCATCTTACAA 501  
DB 304 TCTTTGGTGGCCAGTTACTACAAATTAATGGTGAGATGATCTGACATTCATCTTACAA 363  
QY 502 GCAATTTCCATACACCTCCCATCTGGATTTGGATTCGATCGGAAGAGCTTGCCAA 561  
DB 364 GCAATTTCCATACACCTCCCATCTGGATTTGGATTCGATCGGAAGAGCTTGCCAA 423  
QY 562 CCATGGCTATGGAGAAATGGAATCTCTTTGAATTTTCAATTTCTTAAAGACAGGGCGTT 621  
DB 424 CCATGGCTATGGAGAAATGGAATCTCTTTGAATTTTCAATTTCTTAAAGACAGGGCGTT 483  
QY 622 TCTTTACAGCTATATTCATCAAGCAACTGTGCATACCTTTCAAGAGCGAGCTGTGTGCT 681  
DB 484 TCTTTACAGCTATATTCATCAAGCAACTGTGCATACCTTTCAAGAGCGAGCTGTGTGCT 543  
QY 682 GAAAACTGCATTTAAATTCATTCAGCTATGTCAGAGAAGCAAAATCATTTGCAATTT 741  
DB 544 GAAAACTGCATTTAAATTCATTCAGCTATGTCAGAGAAGCAAAATCATTTGCAATTT 603  
QY 742 TAG 744  
DB 604 TAG 606

RESULT 8  
US-09-917-800A-474  
Sequence 474, Application US/09917800A  
Patent No. US20020119462A1  
GENERAL INFORMATION:

APPLICANT: Mendrick, Donna  
APPLICANT: Porter, Mark  
APPLICANT: Johnson, Kory  
APPLICANT: Castle, Arthur  
APPLICANT: Elashoff, Michael  
APPLICANT: Gene Logic, Inc.  
TITLE OF INVENTION: Molecular Toxicology Modeling  
FILE REFERENCE: 44921-5038-US  
CURRENT APPLICATION NUMBER: US/09/917,800A  
CURRENT FILING DATE: 2001-07-31  
PRIOR APPLICATION NUMBER: US 60/222,040  
PRIOR FILING DATE: 2000-07-31  
PRIOR APPLICATION NUMBER: US 60/222,880  
PRIOR FILING DATE: 2000-11-02  
PRIOR APPLICATION NUMBER: US 60/290,029  
PRIOR FILING DATE: 2001-05-11  
PRIOR APPLICATION NUMBER: US 60/290,645  
PRIOR FILING DATE: 2001-05-15  
PRIOR APPLICATION NUMBER: US 60/292,336  
PRIOR FILING DATE: 2001-05-22  
PRIOR APPLICATION NUMBER: US 60/295,798  
PRIOR FILING DATE: 2001-06-06  
PRIOR APPLICATION NUMBER: US 60/297,457  
PRIOR FILING DATE: 2001-06-13  
PRIOR APPLICATION NUMBER: US 60/298,884  
PRIOR FILING DATE: 2001-06-19  
PRIOR APPLICATION NUMBER: US 60/303,459  
NUMBER OF SEQ ID NOS: 1740  
SOFTWARE: PatentIn ver. 2.1  
SEQ ID NO 474  
LENGTH: 3750  
TYPE: DNA  
ORGANISM: Rattus norvegicus  
FEATURE:  
OTHER INFORMATION: Genbank Accession No. US20020119462A1 AB0005900  
US-09-917-800A-474  
Query Match 70.8%; Score 526.8; DB 10; Length 3750;  
Best Local Similarity 85.8%; Pred. No. 4.6e-162;  
Matches 585; Conservative 0; Mismatches 97; Indels 0; Gaps 0;  
QY 63 GAAGCCTTAAGAGAGTCCAGAGAGAACTCAAGGGAAGATAGACACCTACCCGAA 122  
DB 502 GAAGCCTTCAAGAGAGTCCAGTGGAACTGAAGGAACAAATAGACATCTCAACTGAA 561  
QY 123 GCTGGACGAGAAATCCAAAGAGAGGAGGAGCTTCTCAGATGATTCAGAACCTCCAAGA 182  
DB 562 GCTGAATGGGATATCCAAAGAGAGGAGGAGCTTCTCAGCAGAAATCAGAACCTCCAAGA 621  
QY 183 AGCCTTGACAGAGCTGCAAACTCTTCAGAGAGTCCAGAGAGAACTCAAGGGAAAGAT 242  
DB 622 AGCCTTGACAGAGCTGCAAACTCTTCAGAGAGTCCAGAGAGAACTCAAGGGAAAGAT 681  
QY 243 AGACACCTTCACTTGAAGCTGAACGAGAAATCCAAAGAGAGGAGGAGCTTCTACAGAA 302  
DB 682 AGACACCTTCACTTGAAGCTGAACGAGAAATCCAAAGAGAGGAGGAGCTTCTGACGA 741  
QY 303 GAATCAGAACCTCCAAAGAGCCCTGCAAGAGCTTCAAACTTTTCAGCTCTCTGTCCACA 362  
DB 742 GAATCAGAACCTCCAAAGAGCCCTGCAAGAGCTTCAAACTTTTCAGCTCTCTGTCCACA 801  
QY 363 AGACTGGCTCTGGCATAAAGAAAACTGTACTCTTCCATGGGCCCTTTGGCTGGGAAAA 422  
DB 802 AGACTGGATCTGGCATAAAGAAAACTGTACTCTTCCATGGGCCCTTTTAACTGGGAAAA 861  
QY 423 AAACCGGAGACCTGCCAATCTTTGGGTGGCCAGTTACTACAAATTAATGTTGACAGATGA 482  
DB 862 AAGTCGGGAGAAATTCCTTATCTTTAGATGCCAGTTACTACAAATTAATGTTGACAGATGA 921  
QY 483 TCTGACATTCATCTTACAGCAATTTCCCATACCACTCCCATCTCTGATTTGGATTGCA 542  
DB 922 TCTGAACTTCGTCTTACAGCAATTTCCCATTCACCTCCCATCTTGGATTGATTACA 981



QY 543 TCGAAGAGCGCTGGCCAAACGATGGCTATGGGAGAAATGGAATCCTTTGAAATTTCAATT 602  
Db 982 TCGGAAAAATCCCAACACCCATGGCTATGGGAGAACGGCTCTCTTTGAGTTTCAATT 1041  
QY 603 CTTTAAACACAGGGGGCGTTCTTTTACAGCTATATTCAATCAAGCAACTGTGCATACCTTCA 662  
Db 1042 CTTTAAACACAGGGGGCGTTCTTTTACAGCTATATTCAATCAAGCAACTGTGCATATATTCA 1101  
QY 663 AGACGGAGCTGTGTCTGCTGAAACTGCATTTCAATTCATTCAGCATATGTGCAGAGAA 722  
Db 1102 AGGAGGAGTGTGTCTGCTGAAACTGCATTTTAACTGCATTCAGCATATGTGCAGAGAA 1161  
QY 723 GACAAATCATTGCAAAATTTAG 744  
Db 1162 GGCAAAATTTATTGCTAACTCAG 1183

## RESULT 9

US-10-220-511-14  
; Sequence 14, Application US/10220511  
; Publication No. US20030143226A1  
; GENERAL INFORMATION:  
; APPLICANT: Kobayashi, Yuko  
; APPLICANT: Tsuji, Hiroyuki  
; APPLICANT: Kamada, Masafumi  
; APPLICANT: Sawamura, Tatsuya  
; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES AGAINST OXIDIZED LDL RECEPTOR AND  
; TITLE OF INVENTION: PHARMACEUTICAL USES THEREOF  
; FILE REFERENCE: SHIM-017  
; CURRENT APPLICATION NUMBER: US/10/220,511  
; CURRENT FILING DATE: 2002-12-06  
; PRIOR APPLICATION NUMBER: JP P2000-57745  
; PRIOR FILING DATE: 2000-03-02  
; PRIOR APPLICATION NUMBER: JP P2000-333116  
; PRIOR FILING DATE: 2000-10-31  
; PRIOR APPLICATION NUMBER: PCT/JP01/01636  
; PRIOR FILING DATE: 2001-03-02  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 14  
; LENGTH: 3750  
; TYPE: DNA  
; ORGANISM: Rattus norvegicus  
; FEATURE:  
; NAME/KEY: 5'UTR  
; LOCATION: (1)..(91)  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (92)..(1186)  
; FEATURE:  
; NAME/KEY: 3'UTR  
; LOCATION: (1187)..(3750)  
US-10-220-511-14

Query Match 70.8%; Score 526.8; DB 13; Length 3750;  
Best Local Similarity 85.8%; Pred. No. 4.6e-162;  
Matches 585; Conservative 0; Mismatches 97; Indels 0; Gaps 0;  
QY 63 GAACGCTTAAAGAGAGAGTCCACAGAGAGAACTCAAGGGAAGATAGACACCACTACCCGGAA 122  
Db 502 GAACGCTTCAAGAGAGTCCAAAGTGGGAATGAAGGAACAAATAGACATTTCAACTGGAA 561  
QY 123 GCTGGACGAGAAATCCAAAGAGCAGGAGGAGCTTTCTGCAGATGATTCAGAACTTCCAA 182  
Db 562 GCTGAATGGGATATCCAAAGAGCAGAGAGGAGCTTCTGCAGCAGAAATCAGAACTTCCAA 621  
QY 183 AGCCCTGCAGAGAGCTGCAAACTTTTCAAGGAGTCCAGAGAGAACTCAAGGGAAGAT 242  
Db 622 AGCCCTGCAGAAAGCTGAGAAATATTCAAGGAGTCCAGAGAGAACTGAAGGAACAGAT 681  
QY 243 AGACACCTCACCTTTGAGCTGAACGAGAAATCCAAAGAGCAGGAGGAGCTTTCTACAGAA 302

Db 682 AGACACCTCAGCTGGAAGCTAAACGAGAAATCCAAAGAGCAGGAGGAGCTTCTGCAGCA 741  
QY 303 GAATCAGAAACCTCCAAAGAGCCCTGCAAGAGCTGCAAACTTTTTCAGGTCTCTTGTCCACA 362  
Db 742 GAATCAGAAATCTTCAAGAGCCCTGCAGAGAGCTGCAAACTTTCAGGTCTCTTGTCCACA 801  
QY 363 AGACTGGCTCTGGCATAAAGAAACTGTTTACCTCTTCCATGGCCCTTTTGGCTGGGAAA 422  
Db 802 AGACTGGATCTGGCATAAAGAAACTGTTTACCTCTTCCATGGCCCTTTTAACTGGGAAA 861  
QY 423 AAACCGGAGAGAGCTGCAATCTTTGGGTGGCCAGTTTACTTACAAATTAATTAATGGTGCAGATGA 482  
Db 862 AAGTCGGGAGAAATTCCTATCTTTAGATGCCAGTTACTTACAAATTAATTAATGGTGCAGATGA 921  
QY 483 TCTGACATTCATCTTACAGCAATTTCCATPACCACTCCCATCTCTGATTTGGATTGCA 542  
Db 922 TCTGAACTTCTGCTTACAGCAACTTCCCATCTCCCATCTCCCATCTTGGATGGGATTACA 981  
QY 543 TCGGAGAGAGCTGGCCCAACCATGCTATGGGAGAAATGGAATCTCTTTGAAATTTTCAATT 602  
Db 982 TCGGAAAAATCCCAACCCATGGCTATGGGAGAAAGCGCTCTCTCTTGGATTTCATTT 1041  
QY 603 CTTTAAAGACAGGGGGGTTTCTTTTACAGCTATATTATCATCAAGCAACTGTGCATACCTTCA 662  
Db 1042 CTTTAAAGACAGGGGGGTTTCTTTTACAGATGTACTCATCAGGCACTGTGCATATATTCA 1101  
QY 663 AGACGAGCTGTGTCTGCTGAAACTGCATTTCTTAATTCAGCATATGTGCAGAGAA 722  
Db 1102 AGGAGGAGTGTGTCTGCTGAAACTGCATTTTAACTGCATTCAGCATATGTGCAGAGAA 1161  
QY 723 GACAAATCATTGCAAAATTTAG 744  
Db 1162 GGCAAAATTTATTGCTAACTCAG 1183

## RESULT 10

US-09-898-554-28  
; Sequence 28, Application US/09898554  
; Publication No. US20030068673A1  
; GENERAL INFORMATION:  
; APPLICANT: TALL, ALAN R  
; APPLICANT: WELCH, CARRIE L  
; APPLICANT: LIANG, CHIEN-PING  
; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 (ATHSQ1) AND ATHER  
; TITLE OF INVENTION: SUSCEPTIBILITY GENE LOCUS 2 (ATHSQ2)  
; FILE REFERENCE: 0575/64077  
; CURRENT APPLICATION NUMBER: US/09/898,554  
; CURRENT FILING DATE: 2001-07-02  
; NUMBER OF SEQ ID NOS: 40  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 28  
; LENGTH: 721  
; TYPE: DNA  
; ORGANISM: Murinae gen. sp.  
; FEATURE:  
; NAME/KEY: misc feature  
; OTHER INFORMATION: Isoform 6  
US-09-898-554-28

Query Match 70.8%; Score 526.4; DB 11; Length 721;  
Best Local Similarity 85.5%; Pred. No. 2.3e-162;  
Matches 636; Conservative 0; Mismatches 71; Indels 37; Gaps 3;  
QY 1 ATGACTTTTGTGACGAAGATGAAGCTGCGAATGACGAGCCTGATCAGAACTCATGTGGC 60  
Db 1 ATGACTTTTGTGACGAAGATGAAGCTGCGAATGACGAGCCTGATCAGAACTCATGTGGC 60  
QY 61 AAGAGCCTAAAGAGAGTCCCAAGAGAACTCAAGGGAAGATAGACACCACTACCCGG 120  
Db 61 AAGAGCCTAAAGAGTCTG-----CATTTGCTTTTCTTCCCC 95  
QY 121 AAGCTGGAGAGAAATCCAAAGAGCAGGAGGAGGAGCTTCTGCAGATGATTCAGAACTTCAA 180

Qy	348	AGGTCCTTGTGCCAAGACTGGCTCTGTCATAAAGAAACTGTTACCTCTTCCATGGGC	407
Db	72	AGGTCCTTGTGCCAAGACTGGCTCTGTCATAAAGAAACTGTTACCTCTTCCATGGGC	131
Qy	408	CTTTGGCTGGGAAAAAACCGGCAGACCTGCCAATCTTTGGGTGGCCAGTTACTACAAAT	467
Db	132	CTTTAGCTGGGAAAAAACCGGCAGACCTGCCAATCTTTGGGTGGCCAGTTACTACAAAT	191
Qy	468	TAATGGTGCGAGATGATCTGACATTCATCTTCAAGCAATTTCCCATACACCTCCCAAT	527
Db	192	TAATGGTGCGAGATGATCTGACATTCATCTTCAAGCAATTTCCCATACACCTCCCAAT	251
Qy	528	CTGGATTTGGATTGGCATCGGAAGAGCCCTGGCCCAACCATGGCTATCGGAGAAATGGAACTCC	587
Db	252	CTGGATTTGGATTGGCATCGGAAGAGCCCTGGCCCAACCATGGCTATCGGAGAAATGGAACTCC	311
Qy	588	TTTGAATTTTCAAATCTTTAAGACGAGGGGGTTTCTTTTACAGCTATATTCATCAAGCAA	647
Db	312	TTTGAATTTTCAAATCTTTAAGACGAGGGGGTTTCTTTTACAGCTATATTCATCAAGCAA	371
Qy	648	CTGTGCATACCTTCAAGACGGAGCTGTGTTCGCTGAAAACTGCATTTCTAATTGCAATCAG	707
Db	372	CTGTGCATACCTTCAAGACGGAGCTGTGTTCGCTGAAAACTGCATTTCTAATTGCAATCAG	431
Qy	708	CATATGTCAGAAGAAGACAAATCAATTTGCGAAATTTTAG	744
Db	432	CATATGTCAGAAGAAGACAAATCAATTTGCGAAATTTTAG	468

US-09-898-554-21  
; Sequence 21, Application US/09898554

APPLICANT: TALL, ALAN R

APPLICANT: LIANG, CHIEN-PING

; TITLE OF INVENTION: SUSCEPTIBLE

; CURRENT APPLICATION NUMBER: USE

; NUMBER OF SEQ ID NOS: 40

; SEQ ID NO 21  
T TACTCTT CCG

TYPE: DNA  
OPCANTSM: MURINE

FEATURE:	NAME/KEY:	CDS
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99	99	99
100	100	100

LOCATION: (17):(174)  
: OTHER INFORMATION:

OTHER INFORMATION: Isoform 2

Best Local Similarity 97.8%;

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179

RESOLI II  
US-09-898-554-17

: Publication No. US20030068673A1

APPLICANT: TALL, ALAN R

APPLICANT: LIANG, CHIEN-PING

; TITLE OF INVENTION: SUSCEPTIBILITY

; CURRENT APPLICATION NUMBER: US/09/8

; NUMBER OF SEQ ID NOS: 40

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; SEQ ID NO 17
; LENGTH: 460

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TYPE: DNA  
ORGANISM: Myriophyllum spicatum

FEATURE:	NAME/KEY:	CDS
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; LOCATION: (I) : (468)  
: :  
: OTHER INFORMATION:  
: :NAME/KEY: MISC\_realease  
: OTHER INFORMATION: Isoform 9

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Best Local Similarity 99.5%; Pred

100

Qy 244 GACACCTCAGCTTGAAGCTGAAAGAGAGATCCAAAGAGAGAGAGAGCTTCTACAGAA 303  
| | | | |  
Db 539 GACACCTCAGCTTGAAGCTGAAAGAGAGATCCAAAGAGAGAGAGAGCTTCTACAGAA 598  
| | | | |  
Qy 304 AATCAGAACTCTCAAGAGAGCTGCAAGAGAGCTCAAACTTTTCAGGTCTCTTGTCACAA 363  
| | | | |  
Db 599 AATCAGAACTCTCAAGAGAGCTGCAAGAGAGCTCAAACTTTTCAGGTCTCTTGTCACAA 658  
| | | | |  
Qy 364 GACTGGCTCTGGCATAAAGAAAATCTGTACCTCTTCCATGGGCCCTTTGGCTGGGAAAA 423  
| | | | |  
Db 659 GACTGGCTCTGGCATAAAGAAAATCTGTACCTCTTCCGTGGGCCCTTTACTGGGAAAA 717  
| | | | |  
Qy 424 AACCGGAGAGCTGCCAATCTTTGGTGGCCAGTACTACAAATTAATGG 473  
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Db 718 AGCCGGAGAGCTGCCAATCTTTGGTGGCCAGTACTACAAATTAATGG 766  
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RESULT 13  
US-09-898-554-25  
; Sequence 25, Application US/09898554  
; Publication No. US20030068673A1  
; GENERAL INFORMATION:  
; APPLICANT: TALL, ALAN R  
; APPLICANT: WELCH, CARRIE L  
; APPLICANT: LIANG, CHIEN-PING  
; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 (ATHS01) AND ATHERO  
; FILE OF INVENTION: SUSCEPTIBILITY GENE LOCUS 2 (ATHS02)  
; FILE REFERENCE: 0575/64077  
; CURRENT APPLICATION NUMBER: US/09/898,554  
; CURRENT FILING DATE: 2001-07-02  
; NUMBER OF SEQ ID NOS: 40  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 25  
; LENGTH: 621  
; TYPE: DNA  
; ORGANISM: Murinae gen. sp.  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)...(621)  
; OTHER INFORMATION:  
; NAME/KEY: misc feature  
; OTHER INFORMATION: Isoform 4  
US-09-898-554-25  
Query Match 45.5%; Score 338.2; DB 11; Length 621;  
Best Local Similarity 95.1%; Pred. No. 2e-100;  
Matches 349; Conservative 0; Mismatches 18; Indels 0; Gaps 0;  
Qy 183 AGCCCTGAGAGAGCTGCAAACTCTTCAGAGAGAGTCCAGAGAGAACTCAAGGGAAGAT 242  
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Db 255 AGCCGAGAGAGAGCAAAAACACTTCACAGGATCAAGAGAACTGAAGGAAGAT 314  
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Qy 243 AGACACCTCAGCTTGAAGCTGAAACGAGAAATCCAAAGAGAGAGAGAGCTTCTACAGAA 302  
| | | | |  
Db 315 AGACACCTCAGCTTGAAGCTGAAACGAGAAATCCAAAGAGAGAGAGAGCTTCTACAGAA 374  
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Qy 303 GAATCAGAACTCCAAAGAGAGCTGCAAGAGAGCTGCAAACTTTTCAGGTCTCTTGTCACA 362  
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Db 375 GAATCAGAACTCCAAAGAGAGCTGCAAGAGAGCTGCAAACTTTTCAGGTCTCTTGTCACA 434  
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Qy 363 AGACTGGCTCTGGCATAAAGAAAATCTGTACCTCTTCCATGGGCCCTTTGGCTGGGAAAA 422  
| | | | |  
Db 435 AGACTGGCTCTGGCATAAAGAAAATCTGTACCTCTTCCATGGGCCCTTTAGCTGGGAAAA 494  
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Qy 423 AAACCGGAGAGCTGCCAATCTTTGGTGGCCAGTACTACAAATTAATGGTGCAGATGA 482  
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Db 495 AAACCGGAGAGCTGCCAATCTTTGGTGGCCAGTACTACAAATTAATGGTGCAGATGA 554  
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Qy 483 TCTGACATTCATCTTACAGCAATTTCCCATACCACTCCCACTTCTGGATTGGATTGCA 542  
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Db 555 TCTGACATTCATCTTACAGCAATTTCCCATACCACTCCCACTTCTGGATTGGATTGCA 614  
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Qy 543 TCGGAAG 549

Db 615 TCGGAAG 621  
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RESULT 14  
US-09-898-554-27  
; Sequence 27, Application US/09898554  
; Publication No. US20030068673A1  
; GENERAL INFORMATION:  
; APPLICANT: TALL, ALAN R  
; APPLICANT: WELCH, CARRIE L  
; APPLICANT: LIANG, CHIEN-PING  
; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 (ATHS01) AND ATHER  
; FILE OF INVENTION: SUSCEPTIBILITY GENE LOCUS 2 (ATHS02)  
; FILE REFERENCE: 0575/64077  
; CURRENT APPLICATION NUMBER: US/09/898,554  
; CURRENT FILING DATE: 2001-07-02  
; NUMBER OF SEQ ID NOS: 40  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 27  
; LENGTH: 712  
; TYPE: DNA  
; ORGANISM: Murinae gen. sp.  
; FEATURE:  
; NAME/KEY: misc feature  
; OTHER INFORMATION: Isoform 5  
US-09-898-554-27  
Query Match 44.4%; Score 330.2; DB 11; Length 712;  
Best Local Similarity 77.2%; Pred. No. 9.4e-98;  
Matches 475; Conservative 0; Mismatches 113; Indels 27; Gaps 5;  
Qy 1 ATGACTTTTGTATGACAAAGATGAAGCTTGGATGAGAGAGCTGATCAGAGTCAATGTGGC 60  
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Db 1 ATGACTTTTGTATGACAAAGATGAAGCTTGGATGAGAGAGCTGATCAGAGTCAATGTGGC 60  
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Qy 61 AAGAAGCTTAAAGAGAGAGTCCAGAGAGAACTCAAGGG-----AAAG 102  
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Db 61 AAGAAGCTTAAAGAGTCTGCATTTGCTTCTCCCATGGTGGTCTCCTGCTATGACT 120  
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Qy 103 ATAGACACCATCACCCGGAAGCTGGACGAGAAATCCAAAGAGAGAGAGAGCT-TCTGCA 161  
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Db 121 CTGGTCATCTCTGCTGGTGTGTGTCAGTGACCTTATTGTACAGTGGGACAAATGATCG 180  
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Qy 162 GATGATTCAAGACCTTCAAGAGAGCTGCAAGAGAGCTGCAAACTCTTCAGAGAGTCCCA 221  
| | | | |  
Db 181 TATCTTGGAAAGGAGAGATGTTAGCCCGAGCAAGAGGAGAGAAACACTTTCAGAGAAATCAA 240  
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Qy 222 GAGAGAACTCAAGGGAAGATAGACACCTTCACTTGAAGCTGAACGAGAAATCCAAAGA 281  
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Db 241 GAAGNACTGAAGGAAAGATAGACACCTTCAACCCAGAGAGCTGAACG---ACTCCAAAGA 297  
| | | | |  
Qy 282 GCAGGAGAGCTTCTACAGAAATCAGAACTTCAAGAAAGCCCTGCAAGAGAGTGCATA 341  
| | | | |  
Db 298 GCAGGAGAGAGTACACCC-----CCCCCGAAACCTTCAAGAGAGCCCTGCAAGAGAGTGCATA 353  
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Qy 342 CTTTTCAGTCTCTTTCACAGAGAGCTGCTCTGGCATAAAGAAACTGTGTACTCTTCCA 401  
| | | | |  
Db 354 CTCTTCAGTCTCTTTCACAGAGAGCTGCTCTGGCATAAAGAAACTGTGTACTCTTCCA 413  
| | | | |  
Qy 402 TGGGCCCTTTGGCTGGGAAAAAACCAGGAGAGAGCTGCAAACTCTTTGGGTGGCCAGTTACT 461  
| | | | |  
Db 414 TGGGCCCTTTAGCTGGGAAAAAACCAGGAGAGAGCTGCAAACTCTTTGGGTGGCCAGTTACT 473  
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Qy 462 ACAATTAATGTGAGATGATCTGACATTCATCTTCAAGCAATTTTCCATACCACTTC 521  
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Db 474 ACAATTAATGTGAGATGATCTGACATTCATCTTCAAGCAATTTTCCATACCACTTC 533  
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Qy 522 CCCATCTCGATTGGATTGCATCGGAGAGAGCTGCAAACTGCTATGGAGATGG 581  
| | | | |  
Db 534 CCCTCTTGGATTGGATTGCATCGGAGAGAGCTGCAAACTGCTATGGAGATGG 592  
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Qy 582 AACTCTCTTTGAATTT 596

Db 593 ACTTCTTTGAATTT 607

RESULT 15

US-10-220-511-1  
; Sequence 1, Application US/10220511  
; Publication No. US20030143226A1  
; GENERAL INFORMATION:  
; APPLICANT: Kobayashi, Yuku  
; APPLICANT: Tsuji, Hiroyuki  
; APPLICANT: Kamada, Masafumi  
; APPLICANT: Sawamura, Tatsuya  
; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES AGAINST OXIDIZED LDL RECEPTOR AND  
; FILE REFERENCE: SHIM-017  
; CURRENT APPLICATION NUMBER: US/10/220,511  
; CURRENT FILING DATE: 2002-12-06  
; PRIOR APPLICATION NUMBER: JP P2000-57745  
; PRIOR FILING DATE: 2000-03-02  
; PRIOR APPLICATION NUMBER: JP P2000-333116  
; PRIOR FILING DATE: 2000-10-31  
; PRIOR APPLICATION NUMBER: PCT/JP01/01636  
; PRIOR FILING DATE: 2001-03-02  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 1  
; LENGTH: 2468  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: 5'UTR  
; LOCATION: (1)..(61)  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (62)..(883)  
; FEATURE:  
; NAME/KEY: 3'UTR  
; LOCATION: (884)..(2468)  
US-10-220-511-1

Query Match 40.1%; Score 298.2; DB 13; Length 2468;  
Best Local Similarity 72.6%; Pred. No. 6.9e-87;  
Matches 400; Conservative 0; Mismatches 148; Indels 3; Gaps 1;  
Qy 183 AGCCCTGCAGAGAGCTGCAAACTCTTCAGAGAGAGTCCCAGAGAGAGTCAAGGGAAGAT 242  
Db 319 AGCCCGGCAACAGCAGAGAGAGAGCTTCACAGGAGTCAAGAACTCAAGGAATGAT 378  
Qy 243 AGACACCTCACCCTTGAAGCTGAACGAGAAATCCAAAGAGCAGAGGAGCTTCTACAGAA 302  
Db 379 AGAACCTTGTCTCGAGAGCTGAATGAGAAATCCAAAGAGCAATGGAAGTCAACCA 438  
Qy 303 GAATCAGACCTCCAGAGAGCCCTGCAAGAGCTGCAAACTTTTCAGGTCCTTGTCACA 362  
Db 439 GAATCTGAATCTCAAGAAACACTGAAGAGAGTAGCAAAATTTGTCAGTCTCTGTCGCA 498  
Qy 363 AGACTGGCTCTGCATAGAGAACTGTTACCTTT---CCATGGGCCCTTTGGCTGGGA 419  
Db 499 AGACTGGATCTGGCATGGAGAAACGTGTACCTATTTTCTCTGGGCTCAITTTAACTGGGA 558  
Qy 420 AAAAAACCGCAGACCTGCCAATCTTTGGTGCCAGTTACTACAAATTAATGGTGCAGA 479  
Db 559 AAAGACCAAGAGAGAGTGTCTTTGGATGCCAAGTTGCTGAAATTAATAGCACAGC 618  
Qy 480 TGATCTGACATTCATTACAGCAATTTCCCAATACACCTCCCAATTTCTGGATTGGATT 539  
Db 619 TGATCTGGACTTCATCAGCAAGCAATTTCCATTCCAGTTTTCATTTCTGGATGGGCT 678  
Qy 540 GCATCGGAGAGAGCTGGCCACCATGGCTATGGGAGATGGAATCTCCTTGAATTTTCA 599  
Db 679 GTCTCGGAGGAACCCAGCTACCCATGGCTCTGGGAGGAGCGGTTCTCTTTGATGCCCA 738

Qy 600 ATTCTTTAAGACCAGGGGGCTTTCTTTACAGCTATATTTCATCAAGCAACTGTGCATACCT 659  
Db 739 CTTATTTAGAGTCCGAGGCGCTGTCTCCAGACATACCTTTCAAGTACCTGTGCATATAT 798  
Qy 660 TCAAGACGGAGCTGTGTTGCTGAAACTGCATTCTAATTGCATTTCAGCATATGTCAGAA 719  
Db 799 ACAACGAGGAGCTGTTTATGCGGAAACTGCAITTTTAGCTGCTTCAATATATGTCAGAA 858  
Qy 720 GAAGACAAATC 730  
Db 859 GAAGGCAAAAC 869

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Job time : 305 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2003 CompuGen Ltd..

OM protein - protein search, using sw model

Run on: December 18, 2003, 14:48:42 ; Search time 21 Seconds  
(without alignments)  
497.656 Million cell updates/sec

Title: US-09-898-554-14

Perfect score: 1319  
Sequence: 1 MTFDKMKPANDPQKSCG.....ENCILIAFSICQKTNHLQI 247

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA.\*  
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2: /cgn2\_6/ptodata/1/iaa/5B\_COMB.pep.\*  
3: /cgn2\_6/ptodata/1/iaa/6A\_COMB.pep.\*  
4: /cgn2\_6/ptodata/1/iaa/6B\_COMB.pep.\*  
5: /cgn2\_6/ptodata/1/iaa/PCTUS\_COMB.pep.\*  
6: /cgn2\_6/ptodata/1/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	637	48.3	273	2	US-09-055-095-3
2	637	48.3	273	2	US-08-809-494A-6
3	637	48.3	273	3	US-09-352-302-6
4	596	45.2	270	2	US-09-055-095-4
5	596	45.2	270	2	US-08-809-494A-2
6	596	45.2	270	3	US-09-352-302-2
7	594.5	45.1	273	3	US-08-809-494A-4
8	594.5	45.1	273	3	US-09-352-302-4
9	251	19.0	201	2	US-08-688-342-1
10	251	19.0	201	2	US-09-113-788-1
11	231.5	17.6	180	3	US-08-772-440-31
12	231	17.5	176	3	US-08-772-440-8
13	231	17.5	244	3	US-08-772-440-2
14	231	16.9	404	4	US-09-517-605-2
15	221	16.8	280	4	US-09-596-243-319
16	221	16.8	284	3	US-09-055-095-1
17	214	16.2	199	3	US-08-772-440-13
18	207	15.7	126	3	US-08-772-440-10
19	189.5	14.4	122	3	US-08-722-126A-9
20	189.5	14.4	122	5	PCT-US95-04258-9
21	186	14.1	248	4	US-09-482-273-126
22	186	14.1	272	1	US-08-690-095-1
23	186	14.1	272	3	US-09-113-789-1
24	186	14.1	287	1	US-08-365-103B-4
25	186	14.1	300	1	US-08-365-103B-6
26	186	14.1	327	1	US-08-365-103B-2
27	179	13.6	229	4	US-09-247-155-97

28 179 13.6 229 4 US-09-936-243-424  
29 166 12.6 179 1 US-08-690-095-9  
30 166 12.6 179 2 US-08-650-578-2  
31 166 12.6 179 2 US-08-688-342-3  
32 166 12.6 179 2 US-09-113-788-3  
33 166 12.6 179 3 US-09-113-789-9  
34 165.5 12.5 287 3 US-09-111-470-6  
35 165.5 12.5 320 1 US-08-365-103B-10  
36 165.5 12.5 321 1 US-08-365-103B-8  
37 163 12.4 191 4 US-09-531-056A-6  
38 163 12.4 328 4 US-09-531-056A-13  
39 162.5 12.3 231 1 US-08-690-095-6  
40 162.5 12.3 231 3 US-09-113-789-6  
41 162.5 12.3 231 3 US-08-543-246B-6  
42 162.5 12.3 231 3 US-08-543-246B-23  
43 158.5 12.0 134 3 US-08-543-246B-20  
44 158.5 12.0 216 3 US-08-543-246B-9  
45 158.5 12.0 216 3 US-08-543-246B-24

#### ALIGNMENTS

RESULT 1  
US-09-055-095-3  
; Sequence 3, Application US/09055095  
; Patent No. 5945308  
; GENERAL INFORMATION:  
; APPLICANT: Tang, Y. Tom  
; APPLICANT: Patterson, Chandra  
; APPLICANT: Corley, Neil C.  
; APPLICANT: Sather, Susan  
; TITLE OF INVENTION: HUMAN OXIDIZED LDL RECEPTOR  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
; STREET: 3174 Porter Dr.  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq for Windows Version 2.0  
; CURRENT APPLICATION DATA: US/09/055,095  
; APPLICATION NUMBER: US/09/055,095  
; FILING DATE: Filed Herewith  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Billings, Lucy J.  
; REGISTRATION NUMBER: 36,749  
; REFERENCE/DOCKET NUMBER: PF-0500 US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 650-855-0555  
; TELEFAX: 650-845-4166  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 273 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; LIBRARY: GenBank  
; CLONE: 1902984  
US-09-055-095-3

Query Match 48.3%; Score 637; DB 2; Length 273;  
Best Local Similarity 48.9%; Pred. No. 2.4e-49;

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Sequence 9, Appli  
Sequence 2, Appli  
Sequence 3, Appli  
Sequence 3, Appli  
Sequence 9, Appli  
Sequence 6, Appli  
Sequence 10, Appl  
Sequence 8, Appli  
Sequence 6, Appli  
Sequence 13, Appli  
Sequence 6, Appli  
Sequence 6, Appli  
Sequence 23, Appl  
Sequence 20, Appl  
Sequence 9, Appli  
Sequence 24, Appl

Matches 134; Conservative 35; Mismatches 69; Indels 36; Gaps 6;

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      ::::--TRKLDKSKQEELLQMIQNLQ---EALQRAANSSEESQRELKKGKIDTITLKLNE 90
      ::::--LGMQLSQVLDLITQEQANLTHOKKLEGGQISARQQAEEASQSENELKEMETIETLARKLNE 115
      ::::--KSKQEELLQNLQNLQALQRAANFSGPCQDMLWHKENCYLF-HGPFGEKKNQRTCOSL 149
      ::::--KSKQEELLQNLQNLQALQRAANFSGPCQDMLWHKENCYLF-HGPFGEKKNQRTCOSL 175
      ::::--GGQLQINGADLITFILOAISHHTSPFWIGLHRKKGQPMWNGTPLNPFQFKTRGVSL 209
      ::::--DAKLLKINSTADLFIQQAISYSPFWMGLSRRNPSPYPLWEDGSLPMLPHLFRVGAVS 235
      ::::--OLYSSNCAYLODGAFAENCILIAFSCCKTN 243
      ::::--QTPSGTCAYIQRGAVYAENCILIAFSCCKTN 269
  
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RESULT 2

US-08-809-494A-6

; Sequence 6, Application US/08809494A

; Patent No. 5962260

; GENERAL INFORMATION:

; APPLICANT: Sawamura, Tatsuya

; APPLICANT: Masaki, Tomoo

; TITLE OF INVENTION: Modified Low-Density Lipoprotein

; TITLE OF INVENTION: Receptor

; NUMBER OF SEQUENCES: 8

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: McAulay Fisher Nissen Goldberg & Kiel

; STREET: 261 Madison Avenue

; CITY: New York

; STATE: NY

; COUNTRY: USA

; ZIP: 10016-2391

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent In Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/809,494A

; FILING DATE: 24-MAR-1997

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: JP 6-321705

; FILING DATE: 30-NOV-1994

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: JP 7-214206

; FILING DATE: 31-JUL-1995

; ATTORNEY/AGENT INFORMATION:

; NAME: Goldberg, Jules E

; REGISTRATION NUMBER: 24408

; REFERENCE/DOCKET NUMBER: JG-YY-4363PCT

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 212 986-4090

; TELEFAX: 212 818-9479

; INFORMATION FOR SEQ ID NO: 6:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 273 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-809-494A-6

Query Match 48.3%; Score 637; DB 2; Length 273;

Best Local Similarity 48.9%; Pred. No. 2,4e-49;

Matches 134; Conservative 35; Mismatches 69; Indels 36; Gaps 6;

Qy 1 MTFDD-KMKPANDPDKSCGKPKESQRELK-----GKIDTI-- 38

Db 1 MTFDDLKIQTVDKQDPDEKSNKGKAK-----GLQFLYSPWMCCLAAATLGLVCLGLVVTIMV 55

Qy 39 -----TRKLDKSKQEELLQMIQNLQ---EALQRAANSSEESQRELKKGKIDTITLKLNE 90

Db 56 LGMQLSQVLDLITQEQANLTHOKKLEGGQISARQQAEEASQSENELKEMETIETLARKLNE 115

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Qy 150 GGQLQINGADLITFILOAISHHTSPFWIGLHRKKGQPMWNGTPLNPFQFKTRGVSL 209

Db 176 DAKLLKINSTADLFIQQAISYSPFWMGLSRRNPSPYPLWEDGSLPMLPHLFRVGAVS 235

Qy 210 OLYSSNCAYLODGAFAENCILIAFSCCKTN 243

Db 236 QTPSGTCAYIQRGAVYAENCILIAFSCCKTN 269

RESULT 3

US-09-352-302-6

; Sequence 6, Application US/09352302

; Patent No. 6197937

; GENERAL INFORMATION:

; APPLICANT: Sawamura, Tatsuya

; APPLICANT: Masaki, Tomoo

; TITLE OF INVENTION: Modified Low-Density Lipoprotein

; TITLE OF INVENTION: Receptor

; NUMBER OF SEQUENCES: 8

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: McAulay Fisher Nissen Goldberg & Kiel

; STREET: 261 Madison Avenue

; CITY: New York

; STATE: NY

; COUNTRY: USA

; ZIP: 10016-2391

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent In Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/352,302

; FILING DATE: 12-JUL-1999

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: JP 6-321705

; FILING DATE: 30-NOV-1994

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: JP 7-214206

; FILING DATE: 31-JUL-1995

; ATTORNEY/AGENT INFORMATION:

; NAME: Goldberg, Jules E

; REGISTRATION NUMBER: 24408

; REFERENCE/DOCKET NUMBER: JG-YY-4363PCT/D

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 212 986-4090

; TELEFAX: 212 818-9479

; INFORMATION FOR SEQ ID NO: 6:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 273 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-09-352-302-6

Query Match 48.3%; Score 637; DB 3; Length 273;

Best Local Similarity 48.9%; Pred. No. 2,4e-49;

Matches 134; Conservative 35; Mismatches 69; Indels 36; Gaps 6;

QY 1 MTFDD-KMKPANDEPDQKSCGKKPKESQRELK-----GKIDTI-- 38  
Db 1 MTFDDLKIQTVKQDPDEKSNKKAK-----GLQFLYSPWCLAAATLGLVLCIGLVVTVIM 55  
QY 39 -----TRKLDKESKEQEBELLQMIQNLQ---BALQRAANSSEESQRELKIDTTLK 90  
Db 56 LGMQLSQVSDLLTQEQANLTHQKKLQEGQISARQQAEEASQSENELKEMTETLARK 115  
QY 91 KSKEQEBELLQKQNLQALQRAANFSGPCPDWLWHKENCYLF-HGPFGEKKNRQTCOSL 149  
Db 116 KSKEQEBELLQKQNLQALQRAANFSGPCPDWLWHKENCYLF-HGPFGEKKNRQTCOSL 175  
QY 150 GQQLQINGADDLTFLQIAISHTTSPFWGLHRKPKGQOPWLWENGTPLNFOFFKTRG 209  
Db 176 DAKLLKINSTADLFTQQAISYSSFPFWMLGSRNPSYPWLWEDGSLMPLHLFVRGAVS 235  
QY 210 QLYSSNCAYLQDGAFAENCILLIAPFSCOKKTN 243  
Db 236 QTYPSGTCAYIQRGAVYAENCILLIAPFSCOKKAN 269

RESULT 4  
US-09-055-095-4  
; Sequence 4, Application US/09055095  
; Patent No. 5945308  
; GENERAL INFORMATION:  
; APPLICANT: Tang, Y. Tom  
; APPLICANT: Patterson, Chandra  
; APPLICANT: Corley, Neil C.  
; APPLICANT: Sather, Susan  
; TITLE OF INVENTION: HUMAN OXIDIZED LDL RECEPTOR  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
; STREET: 3174 Porter Dr.  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/055,095  
; FILING DATE: Filed Herewith  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Billings, Lucy J.  
; REGISTRATION NUMBER: 36,749  
; REFERENCE/DOCKET NUMBER: PF-0500 US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 650-855-0555  
; TELEFAX: 650-845-4166  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 270 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; LIBRARY: GenBank  
; CLONE: 1902982  
US-09-055-095-4

Query Match 45.2%; Score 596; DB 2; Length 270;  
Best Local Similarity 44.6%; Pred. No. 1.1e-45;  
Matches 125; Conservative 39; Mismatches 70; Indels 46; Gaps 6;

QY 1 MTFDDKMKPANDEPDQKSCGKKPK-----ESSQR 29  
Db 1 MTFDDP-KGMDQLDQKPNKGTAKGVSWRWYPAAVTLGVLCGLLVTVILLIQLSQ- 58  
QY 30 ELKCKIDITIRKLDKESKEQEBELL-QMIQNLQALQRAANSSEESQRELKIDTTLK 87  
Db 59 -----VSDLIKQKQANTHODILLEGQL-----AQRSEKSAQESQRELKEMTETLAHK 108  
QY 88 LNEKSEKEQEBELLQKQNLQALQRAANFSGPCPDWLWHKENCYLF-HGPFGEKKNRQTC 146  
Db 109 LDEKSKKLMELHRQNLQALQRAANFSGPCPDWLWHKENCYLF-HGPFGEKKNRQTC 168  
QY 147 QSLGGQLQINGADDLTFLQIAISHTTSPFWGLHRKPKGQOPWLWENGTPLNFOFFKTRG 206  
Db 169 LSLDAHLKINSTDELEFIQMIASHSPFPWMLGSRNPSYPWLWEDGSLMPLHLFRIQ 228  
QY 207 VSLQLYSSNCAYLQDGAFAENCILLIAPFSCOKKTNHLQ 246  
Db 229 AVSRWYSGTCAYIQRGAVYAENCILLIAPFSCOKKANLLR 268

RESULT 5  
US-08-809-494A-2  
; Sequence 2, Application US/08809494A  
; Patent No. 5962260  
; GENERAL INFORMATION:  
; APPLICANT: Sawamura, Tatsuya  
; APPLICANT: Masaki, Tomoo  
; TITLE OF INVENTION: Modified Low-Density Lipoprotein  
; TITLE OF INVENTION: Receptor  
; NUMBER OF SEQUENCES: 8  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: McAulay Fisher Nissen Goldberg & Kiel  
; STREET: 261 Madison Avenue  
; CITY: New York  
; STATE: NY  
; COUNTRY: USA  
; ZIP: 10016-2391  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/809,494A  
; FILING DATE: 24-MAR-1997  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: JP 6-321705  
; FILING DATE: 30-NOV-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: JP 7-214206  
; FILING DATE: 31-JUL-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Goldberg, Jules E.  
; REGISTRATION NUMBER: 24408  
; REFERENCE/DOCKET NUMBER: JG-YY-4363PCT  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 212 986-4090  
; TELEFAX: 212 818-9479  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 270 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-809-494A-2

Query Match 45.2%; Score 596; DB 2; Length 270;  
Best Local Similarity 44.6%; Pred. No. 1.1e-45;  
Matches 125; Conservative 39; Mismatches 70; Indels 46; Gaps 6;  
QY 1 MTFDDKMKPANDEPDQKSCGKKPK-----ESSQR 29

Db 1 MTVDPP-KGMKDQDQKNGKTAGFVSSWRWYPAATVGLVCLGLVTVILLILQLSQ- 58  
QY 30 ELKGKIDITTRKLDKSKQEBEL--QMIONLOALQRAANSSESORELKGKIDITLTK 87  
Db 59 -----VSDLIKQOANITHQEDILEGOIL-----AQRSEKSAQESQKELKEMIETLAHK 108  
QY 88 LNEKSKQEBELQKQNLQALQRAANFSGPCPDWLWHKENCYLP-HGPPGWEKKNQOTC 146  
Db 109 LDEKSKMLMELHRLQNLQALQRAANFSGPCPDWLWHKENCYQFSSGSGFNWKSQENC 168  
QY 147 QSLGGQLQINGADDLTFLQIAISHTTSPFWIGLHKKPGOPWLWENGTPLNFOFFKTRG 206  
Db 169 LSLDAHLKINSTDELEFIQOMIAHSSFPFWGLSMRKPNYSWLWEDGTPLTLPHPRIQ 228  
QY 207 VSLQYSSNCAYLODGAFAENCILIAFSICQKKNHLQ 246  
Db 229 AVSRMYPSTGTCAYIQRTGTVFAENCILTAFSICQKKNLLR 268

## RESULT 6

US-09-352-302-2  
; Sequence 2, Application US/09352302  
; Patent No. 6197937  
; GENERAL INFORMATION:  
; APPLICANT: Sawamura, Tatsuya  
; APPLICANT: Masaki, Tomoo  
; TITLE OF INVENTION: Modified Low-Density Lipoprotein  
; TITLE OF INVENTION: Receptor  
; NUMBER OF SEQUENCES: 8  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: McAlulay Fisher Nissen Goldberg & Kiel  
; STREET: 261 Madison Avenue  
; CITY: New York  
; STATE: NY  
; COUNTRY: USA  
; ZIP: 10016-2391  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/352,302  
; FILING DATE: 12-JUL-1999  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: JP 6-321705  
; FILING DATE: 30-NOV-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: JP 7-214206  
; FILING DATE: 31-JUL-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Goldberg, Jules E  
; REGISTRATION NUMBER: 24408  
; REFERENCE/DOCKET NUMBER: JG-YY-4363PCT/D  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 212 986-4090  
; TELEFAX: 212 818-9479  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 270 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-09-352-302-2

Query Match 45.2%; Score 596; DB 3; Length 270;  
Best Local Similarity 44.6%; Pred. No. 1.1e-45;  
Matches 125; Conservative 39; Mismatches 70; Indels 46; Gaps 6;  
QY 1 MTFDDKMKPANDEPDQKSCGKPK-----EESQR 29  
Db 1 MTVDPP-KGMKDQDQKNGKTAGFVSSWRWYPAATVGLVCLGLVTVILLILQLSQ- 58

Db 1 MTVDPP-KGMKDQDQKNGKTAGFVSSWRWYPAATVGLVCLGLVTVILLILQLSQ- 58  
QY 30 ELKGKIDITTRKLDKSKQEBEL--QMIONLOALQRAANSSESORELKGKIDITLTK 87  
Db 59 -----VSDLIKQOANITHQEDILEGOIL-----AQRSEKSAQESQKELKEMIETLAHK 108  
QY 88 LNEKSKQEBELQKQNLQALQRAANFSGPCPDWLWHKENCYLP-HGPPGWEKKNQOTC 146  
Db 109 LDEKSKMLMELHRLQNLQALQRAANFSGPCPDWLWHKENCYQFSSGSGFNWKSQENC 168  
QY 147 QSLGGQLQINGADDLTFLQIAISHTTSPFWIGLHKKPGOPWLWENGTPLNFOFFKTRG 206  
Db 169 LSLDAHLKINSTDELEFIQOMIAHSSFPFWGLSMRKPNYSWLWEDGTPLTLPHPRIQ 228  
QY 207 VSLQYSSNCAYLODGAFAENCILIAFSICQKKNHLQ 246  
Db 229 AVSRMYPSTGTCAYIQRTGTVFAENCILTAFSICQKKNLLR 268

## RESULT 7

US-08-809-494A-4  
; Sequence 4, Application US/08809494A  
; Patent No. 5962260  
; GENERAL INFORMATION:  
; APPLICANT: Sawamura, Tatsuya  
; APPLICANT: Masaki, Tomoo  
; TITLE OF INVENTION: Modified Low-Density Lipoprotein  
; TITLE OF INVENTION: Receptor  
; NUMBER OF SEQUENCES: 8  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: McAlulay Fisher Nissen Goldberg & Kiel  
; STREET: 261 Madison Avenue  
; CITY: New York  
; STATE: NY  
; COUNTRY: USA  
; ZIP: 10016-2391  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/809,494A  
; FILING DATE: 24-MAR-1997  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: JP 6-321705  
; FILING DATE: 30-NOV-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: JP 7-214206  
; FILING DATE: 31-JUL-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Goldberg, Jules E  
; REGISTRATION NUMBER: 24408  
; REFERENCE/DOCKET NUMBER: JG-YY-4363PCT  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 212 986-4090  
; TELEFAX: 212 818-9479  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 273 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-08-809-494A-4

Query Match 45.1%; Score 594.5; DB 2; Length 273;  
Best Local Similarity 44.2%; Pred. No. 1.5e-45;  
Matches 125; Conservative 39; Mismatches 70; Indels 49; Gaps 6;  
QY 1 MTFDDKMKPANDEPDQKSCGKPK-----EESQR 26  
Db 1 MTVDPP-KGMKDQDQKNGKTAGFVSSWRWYPAATVGLVCLGLVTVILLILQLSQ- 58





QY 234 AFSICOKK 241  
Db 191 SYSICEKX 198

RESULT 10  
US-09-113-788-1  
; Sequence 1, Application US/09113788  
; Patent No. 5969104  
; GENERAL INFORMATION:  
; APPLICANT: Au-Young, Janice  
; APPLICANT: Cocks, Benjamin G.  
; APPLICANT: Goli, Surya K.  
; APPLICANT: Hillman, Jennifer L.  
; TITLE OF INVENTION: NOVEL HUMAN C-TYPE LECTIN  
; NUMBER OF SEQUENCES: 5  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
; STREET: 3174 Porter Drive  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: US  
; ZIP: 94304  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq Version 1.5  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/113,788  
; FILING DATE:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/688,342  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Billings, Lucy J.  
; REGISTRATION NUMBER: 36,749  
; REFERENCE/DOCKET NUMBER: PP-0095-1 CIP  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415-855-0555  
; TELEFAX: 415-845-4166  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 201 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; LIBRARY: MMLR1D01  
; CLONE: 515847  
US-09-113-788-1

Query Match 19.0%; Score 251; DB 2; Length 201;  
Best Local Similarity 35.2%; Pred. No. 5.7e-15;  
Matches 45; Conservative 32; Mismatches 49; Indels 2; Gaps 2;  
QY 116 SGPCPDWLWHKENCYLPHGPF-GWEKNRQCQSLGGQLQINGADDLTPI-LQAISHTTSPFWIGLHRKK 173  
Db 71 SSPCPFNWIIYEKSYLFMSLSNWDGSKRQCWOLGNSLLKIDSSNELGFIKQVSSQPD 130  
QY 174 SPFWIGHRKKPGOPWLWENGTPLNFOFKTRGVSLQLYSSNCAYLQDGAFAENCILI 233  
Db 131 NSFWIGURQTEVPWLWEDGSTFNSLFLQIRTTATQENSPNCVHVSVIDQLCSVP 190  
QY 234 AFSICOKK 241  
Db 191 SYSICEKX 198

RESULT 11  
US-08-772-440-31

; Sequence 31, Application US/08772440  
; Patent No. 6046158  
; GENERAL INFORMATION:  
; APPLICANT: Ariizumi, Kiyoshi  
; APPLICANT: Takashima, Akira  
; TITLE OF INVENTION: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE  
; TITLE OF INVENTION: LECTINS, DECTIN-1 AND DECTIN-2; COMPOSITIONS AND USES  
; TITLE OF INVENTION: THEREOF  
; NUMBER OF SEQUENCES: 42  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Arnold, White & Durkee  
; STREET: P.O. Box 4433  
; CITY: Houston  
; STATE: Texas  
; COUNTRY: USA  
; ZIP: 77210  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/772,440  
; FILING DATE: CONCURRENTLY HERewith  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Parker, David L.  
; REGISTRATION NUMBER: 32,165  
; REFERENCE/DOCKET NUMBER: UTXD:493  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 512/418-3000  
; TELEFAX: 512/474-7577  
; INFORMATION FOR SEQ ID NO: 31:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 180 amino acids  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: linear  
US-08-772-440-31

Query Match 17.6%; Score 231.5; DB 3; Length 180;  
Best Local Similarity 29.4%; Pred. No. 2.7e-13;  
Matches 52; Conservative 30; Mismatches 88; Indels 7; Gaps 3;  
QY 67 ANSSESQRELKGIKIDTLTLKLNKESKEQELLQKNQNLQELQRAANFSGPCPDWLWH 126  
Db 8 SNSGRNPEK-----DNFLSRNKENHKPTESLDEKVAPEKASQTTGGFSQSLPNWIVH 62  
QY 127 KENCYLF-HGPFGEWKNRQCQSLGGQLQINGADDLTPI-LQAISHTTSPFWIGLHRKK 184  
Db 63 GKSCYLFSGNSWYSGSKHCSQLGNAHLKIDNSKEFEFIESQTSRHRINAFWIGLSRQ 122  
QY 185 PQCPWLWENGTPINFPQFKTRGVSLQLYSSNCAYLQDGAFAENCILIAPICQKK 241  
Db 123 SEGPMFWEDGSAPFPNSFQVNTVPQESLLHNCVHIGSEVYNQICNTSSYSICEKE 179

RESULT 12  
US-08-772-440-8  
; Sequence 8, Application US/08772440  
; Patent No. 6046158  
; GENERAL INFORMATION:  
; APPLICANT: Ariizumi, Kiyoshi  
; APPLICANT: Takashima, Akira  
; TITLE OF INVENTION: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE  
; TITLE OF INVENTION: LECTINS, DECTIN-1 AND DECTIN-2; COMPOSITIONS AND USES  
; TITLE OF INVENTION: THEREOF  
; NUMBER OF SEQUENCES: 42  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Arnold, White & Durkee  
; STREET: P.O. Box 4433  
; CITY: Houston  
; STATE: Texas

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/ COUNTRY: USA
/ ZIP: 77210
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ FILING DATE: CONCURRENTLY HERewith
/ APPLICATION NUMBER: US/08/772,440
/ CLASSIFICATION: 435
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Parker, David L.
/ REGISTRATION NUMBER: 32,165
/ REFERENCE/DOCKET NUMBER: UTXD:493
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 512/418-3000
/ TELEFAX: 512/474-7577
/ INFORMATION FOR SEQ ID NO: 8:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 176 amino acids
/ TYPE: amino acid
/ STRANDEDNESS:
/ TOPOLOGY: linear
/
US-08-772-440-8

Query Match 17.5%; Score 231; DB 3; Length 176;
Best Local Similarity 30.9%; Pred. No. 2.9e-13;
Matches 50; Conservative 27; Mismatches 83; Indels 2; Gaps 2;

QY 82 DTLTLKLNKSKQEELLQKNQLOALQRAANFSGPCPDWLWHKNCYLFP-HGPFQWE 140
DB 14 DNFLSRNKENHKPTSESSLDEKVPASQSTTGGFSQSCLPNWIHMGKSCYLFSGNSWY 73
QY 141 KNROTCSLGGQLQINGADLTFFI-LQAISHTTSPFWIGLHRKPKPGPWLWENGTPPLNF 199
DB 74 GSKRHCSQLGAHLKIDNSKEFEFIESQTSSTRINAFWIGLSRNSQSEGFWMFEDGSAPFP 133
QY 200 QFFKTRGVSLQLYSSNCAYLQDGAFAENCILIAFSICQK 241
DB 134 NSFQVRNTVPOESLLHNCVWIGHSEVYNQICNTSSYSICEKE 175

RESULT 13
US-08-772-440-2
/ Sequence 2, Application US/08772440
/ Patent No. 6046158
/ GENERAL INFORMATION:
/ APPLICANT: Ariizumi, Kiyoshi
/ APPLICANT: Takashima, Akira
/ TITLE OF INVENTION: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE
/ TITLE OF INVENTION: LECTINS, DECTIN-1 AND DECTIN-2; COMPOSITIONS AND USES
/ NUMBER OF SEQUENCES: 42
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Arnold, White & Durkee
/ STREET: P.O. Box 4433
/ CITY: Houston
/ STATE: Texas
/ COUNTRY: USA
/ ZIP: 77210
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ FILING DATE: CONCURRENTLY HERewith
/ APPLICATION NUMBER: US/08/772,440
/ CLASSIFICATION: 435
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Parker, David L.
/ REGISTRATION NUMBER: 32,165

/ COUNTRY: USA
/ ZIP: 77210
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ FILING DATE: CONCURRENTLY HERewith
/ APPLICATION NUMBER: US/08/772,440
/ CLASSIFICATION: 435
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Parker, David L.
/ REGISTRATION NUMBER: 32,165

/ REFERENCE/DOCKET NUMBER: UTXD:493
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 512/418-3000
/ TELEFAX: 512/474-7577
/ INFORMATION FOR SEQ ID NO: 2:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 244 amino acids
/ TYPE: amino acid
/ STRANDEDNESS:
/ TOPOLOGY: linear
/
US-08-772-440-2

Query Match 17.5%; Score 231; DB 3; Length 244;
Best Local Similarity 30.9%; Pred. No. 4.5e-13;
Matches 50; Conservative 27; Mismatches 83; Indels 2; Gaps 2;

QY 82 DTLTLKLNKSKQEELLQKNQLOALQRAANFSGPCPDWLWHKNCYLFP-HGPFQWE 140
DB 82 DNFLSRNKENHKPTSESSLDEKVPASQSTTGGFSQSCLPNWIHMGKSCYLFSGNSWY 141
QY 141 KNROTCSLGGQLQINGADLTFFI-LQAISHTTSPFWIGLHRKPKPGPWLWENGTPPLNF 199
DB 142 GSKRHCSQLGAHLKIDNSKEFEFIESQTSSTRINAFWIGLSRNSQSEGFWMFEDGSAPFP 201
QY 200 QFFKTRGVSLQLYSSNCAYLQDGAFAENCILIAFSICQK 241
DB 202 NSFQVRNTVPOESLLHNCVWIGHSEVYNQICNTSSYSICEKE 243

RESULT 14
US-09-517-605-2
/ Sequence 2, Application US/09517605
/ Patent No. 6391567
/ GENERAL INFORMATION:
/ APPLICANT: Littman, Dan R.
/ APPLICANT: Kwon, Douglas S.
/ APPLICANT: van Kooyk, Yvette
/ APPLICANT: Geijtenbeck, Theo
/ TITLE OF INVENTION: METHODS OF USING A FACILITATOR OF RETROVIRAL ENTRY INTO
/ FILE REFERENCE: 1049-1-017
/ CURRENT APPLICATION NUMBER: US/09/517,605
/ CURRENT FILING DATE: 2000-03-02
/ NUMBER OF SEQ ID NOS: 17
/ SOFTWARE: Patent In Ver. 2.0
/ SEQ ID NO 2
/ LENGTH: 404
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/
US-09-517-605-2

Query Match 16.9%; Score 223; DB 4; Length 404;
Best Local Similarity 26.0%; Pred. No. 4.5e-12;
Matches 67; Conservative 54; Mismatches 107; Indels 30; Gaps 10;

QY 6 KMKPANDPEPQKS-----CGKKPKESQRELKGIKDTI---TRKLDEKSK 47
DB 129 RLKAAVAGELPEKSLQBIYQELTWLKAAGVAGELPEKSKMQEIYQELTRLKAAVAGELPEKSK 188
QY 48 EQELLQMIQNLQALQRAANSSESO--RELKGIKDTLTLKLNKSKQEELLQKNQNL 105
DB 189 -QQEIYQELTRLKAAVAGELPEKSKQBIYQELT-RLKAAVAGELPEKSK-QQEIYQELTQL 245
QY 106 QEALQRAANFSGPCPDWLWHKENCY-LFHPGFWKXNKPQCOSLGGQLQINGADLTFF 164
DB 246 KAAVERLCH---PCPWEWTFQGCYFMSNSQRMWHISITACKVEGQLVVIKSAEQNF 302
QY 165 ILQAISHTTSPFWIGLHRKPKPGPWLWENGTPPL--NFQFFKTRGVSLQLYSSNCAYLQD 222
DB 303 LQLQSSRSNRFTWMLGSLDLNQEQTWQWDGSPLLPSFKQYWNRPNNV-GEEDCAEPFG 361
QY 223 GAVFAENCILIAFSICQK 240
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Db 362 NGWDDKCNLAKFWICKK 379

# RESULT 15

US-09-996-243-319  
 ; Sequence 319, Application US/09996243  
 ; Patent No. 6478825  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ashkenazi, Avi J.  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Botstein, David  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Eaton, Dan L.  
 ; APPLICANT: Ferrara, Napoleone  
 ; APPLICANT: Fong, Sherman  
 ; APPLICANT: Gerber, Hanspeter  
 ; APPLICANT: Gerritsen, Mary E.  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Grimaldi, J. Christopher  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Kijavini, Ivar J.  
 ; APPLICANT: Napier, Mary A.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Paoni, Nicholas F.  
 ; APPLICANT: Roy, Margaret Ann  
 ; APPLICANT: Stewart, Timothy A.  
 ; APPLICANT: Tumas, Daniel  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Williams, P. Mickey  
 ; APPLICANT: Wood, William I.  
 ; APPLICANT: Zhang, Zemin  
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 ; TITLE OF INVENTION: Acids Encoding the Same  
 ; FILE REFERENCE: P2730P1C13  
 ; CURRENT APPLICATION NUMBER: US/09/996.243  
 ; CURRENT FILING DATE: 2001-11-14  
 ; PRIOR APPLICATION NUMBER: 60/049787  
 ; PRIOR FILING DATE: 1997-06-16  
 ; PRIOR APPLICATION NUMBER: 60/062250  
 ; PRIOR FILING DATE: 1997-10-17  
 ; PRIOR APPLICATION NUMBER: 60/065186  
 ; PRIOR FILING DATE: 1997-11-12  
 ; PRIOR APPLICATION NUMBER: 60/065311  
 ; PRIOR FILING DATE: 1997-11-13  
 ; PRIOR APPLICATION NUMBER: 60/066770  
 ; PRIOR FILING DATE: 1997-11-24  
 ; PRIOR APPLICATION NUMBER: 60/075945  
 ; PRIOR FILING DATE: 1998-02-25  
 ; PRIOR APPLICATION NUMBER: 60/078910  
 ; PRIOR FILING DATE: 1998-03-20  
 ; PRIOR APPLICATION NUMBER: 60/083322  
 ; PRIOR FILING DATE: 1998-04-28  
 ; PRIOR APPLICATION NUMBER: 60/084600  
 ; PRIOR FILING DATE: 1998-05-07  
 ; PRIOR APPLICATION NUMBER: 60/087106  
 ; PRIOR FILING DATE: 1998-05-28  
 ; PRIOR APPLICATION NUMBER: 60/087607  
 ; PRIOR FILING DATE: 1998-06-02  
 ; PRIOR APPLICATION NUMBER: 60/087609  
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 ; PRIOR APPLICATION NUMBER: 60/087759  
 ; PRIOR FILING DATE: 1998-06-02  
 ; PRIOR APPLICATION NUMBER: 60/087827  
 ; PRIOR FILING DATE: 1998-06-03  
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 ; PRIOR FILING DATE: 1998-06-04  
 ; PRIOR APPLICATION NUMBER: 60/088025  
 ; PRIOR FILING DATE: 1998-06-04  
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; PRIOR APPLICATION NUMBER: 60/088029  
 ; PRIOR FILING DATE: 1998-06-04  
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 ; PRIOR APPLICATION NUMBER: 60/088202  
 ; PRIOR FILING DATE: 1998-06-05  
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 ; PRIOR FILING DATE: 1998-06-19  
 ; PRIOR APPLICATION NUMBER: 60/089948  
 ; PRIOR FILING DATE: 1998-06-19  
 ; PRIOR APPLICATION NUMBER: 60/089952  
 ; PRIOR FILING DATE: 1998-06-19  
 ; PRIOR APPLICATION NUMBER: 60/090246  
 ; PRIOR FILING DATE: 1998-06-22  
 ; PRIOR APPLICATION NUMBER: 60/090252  
 ; PRIOR FILING DATE: 1998-06-22  
 ; PRIOR APPLICATION NUMBER: 60/090254

1 PRIOR FILING DATE: 1998-06-22  
2 PRIOR APPLICATION NUMBER: 60/090349  
3 PRIOR FILING DATE: 1998-06-23  
4 PRIOR APPLICATION NUMBER: 60/090355  
5 PRIOR FILING DATE: 1998-06-23  
6 PRIOR APPLICATION NUMBER: 60/090429  
7 PRIOR FILING DATE: 1998-06-24  
8 PRIOR APPLICATION NUMBER: 60/090431  
9 PRIOR FILING DATE: 1998-06-24  
10 PRIOR APPLICATION NUMBER: 60/090435  
11 PRIOR FILING DATE: 1998-06-24  
12 PRIOR APPLICATION NUMBER: 60/090444  
13 PRIOR FILING DATE: 1998-06-24  
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15 PRIOR FILING DATE: 1998-06-24  
16 PRIOR APPLICATION NUMBER: 60/090472  
17 PRIOR FILING DATE: 1998-06-24  
18 PRIOR APPLICATION NUMBER: 60/090535  
19 PRIOR FILING DATE: 1998-06-24  
20 PRIOR APPLICATION NUMBER: 60/090540  
21 PRIOR FILING DATE: 1998-06-24  
22 PRIOR APPLICATION NUMBER: 60/090542  
23 PRIOR FILING DATE: 1998-06-24  
24 PRIOR APPLICATION NUMBER: 60/090557  
25 PRIOR FILING DATE: 1998-06-24  
26 PRIOR APPLICATION NUMBER: 60/090676  
27 PRIOR FILING DATE: 1998-06-25  
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29 PRIOR FILING DATE: 1998-06-25  
30 PRIOR APPLICATION NUMBER: 60/090690  
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32 PRIOR APPLICATION NUMBER: 60/090694  
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36 PRIOR APPLICATION NUMBER: 60/090696  
37 PRIOR FILING DATE: 1998-06-25  
38 PRIOR APPLICATION NUMBER: 60/090862  
39 PRIOR FILING DATE: 1998-06-26  
40 PRIOR APPLICATION NUMBER: 60/090863  
41 PRIOR FILING DATE: 1998-06-26  
42 PRIOR APPLICATION NUMBER: 60/091360  
43 PRIOR FILING DATE: 1998-07-01  
44 PRIOR APPLICATION NUMBER: 60/091478  
45 PRIOR FILING DATE: 1998-07-02  
46 PRIOR APPLICATION NUMBER: 60/091544  
47 PRIOR FILING DATE: 1998-07-01  
48 PRIOR APPLICATION NUMBER: 60/091519  
49 PRIOR FILING DATE: 1998-07-02  
50 PRIOR APPLICATION NUMBER: 60/091626  
51 PRIOR FILING DATE: 1998-07-02  
52 PRIOR APPLICATION NUMBER: 60/091633  
53 PRIOR FILING DATE: 1998-07-02  
54 PRIOR APPLICATION NUMBER: 60/091978  
55 PRIOR FILING DATE: 1998-07-07  
56 PRIOR APPLICATION NUMBER: 60/091982  
57 PRIOR FILING DATE: 1998-07-07  
58 PRIOR APPLICATION NUMBER: 60/092182  
59 PRIOR FILING DATE: 1998-07-09

Query Match 16.8%; Score 221; DB 4; Length 280;  
Best Local Similarity 29.2%; Pred. No. 4.2e-12;  
Matches 52; Conservative 34; Mismatches 72; Indels 20; Gaps 6;  
QY 81 IDTLTKLNEKSEOEELLQKNLQALQRAA-----NFSG-----PCQDMLWHK 127  
DB 86 ISQMERLGNVTQSEQLQSLQVQNIKAGSLQHVAKLCRELYNKAGAHRCSPCTEQWKHG 145  
QY 128 ENCYLFH-GPFGWEKNRQTCQSLGQQLQINGADDLTFIL-QAISHTTSPFWIGLHRKKP 185  
DB 146 DNCYQFYKDSKSWEDCKYFCLSENSTMLKINKQEDLEFAASQSYSEFFYSYWTGLLRPDS 205  
QY 186 GQFWLWENGTPLNFOFFKTRGVSLQLYS--SSNCAYLODGAVFAENCILIAFSICOKX 241

DB 206 GKAWLWMDGTFTSELFH---IIIDVTSPRSRDCVAILNGMIFSKDCKELKRCVCERR 260  
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Job time : 22 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: December 18, 2003, 14:52:52 ; Search time 32 Seconds  
(without alignments)  
1441.543 Million cell updates/sec

Title: US-09-898-554-14

Perfect score: 1319

Sequence: 1 MTFDDKMPANDEPDQKSCG.....ENCILIAFICQKTNHLQI 247

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 696363 seqs, 186758610 residues

Total number of hits satisfying chosen parameters: 696363

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000.

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications\_AA.\*  
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2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep.\*  
3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep.\*  
4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB.pep.\*  
5: /cgn2\_6/ptodata/2/pubpaa/US07\_NEW\_PUB.pep.\*  
6: /cgn2\_6/ptodata/2/pubpaa/PCTUS\_PUBCOMB.pep.\*  
7: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB.pep.\*  
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17: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep.\*  
18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1319	100.0	247	11	US-09-898-554-14
2	1241	94.1	363	10	US-09-870-759-142
3	1241	94.1	363	10	US-09-898-554-20
4	1241	94.1	363	12	US-09-751-708A-142
5	1057	80.1	201	11	US-09-898-554-16
6	972	73.7	364	12	US-10-220-511-15
7	812	61.6	155	11	US-09-898-554-18
8	723	54.8	207	11	US-09-898-554-26
9	643	48.7	278	12	US-10-220-511-11
10	639	48.4	274	12	US-10-220-511-13
11	637	48.3	273	9	US-09-796-858-47
12	637	48.3	273	12	US-10-220-511-2
13	596	45.2	270	12	US-10-220-511-4
14	390	29.6	165	11	US-09-898-554-24
15	363	27.5	189	14	US-10-114-893-48

16	258	19.6	247	12	US-10-270-470-6	Sequence 6, Appli
17	251	19.0	201	10	US-09-978-295A-477	Sequence 477, App
18	251	19.0	201	10	US-09-978-697-477	Sequence 477, App
19	251	19.0	201	10	US-09-978-192A-477	Sequence 477, App
20	251	19.0	201	10	US-09-999-832A-477	Sequence 477, App
21	251	19.0	201	11	US-09-978-189-477	Sequence 477, App
22	251	19.0	201	11	US-09-978-608A-477	Sequence 477, App
23	251	19.0	201	11	US-09-978-585A-477	Sequence 477, App
24	251	19.0	201	11	US-09-978-191A-477	Sequence 477, App
25	251	19.0	201	11	US-09-978-403A-477	Sequence 477, App
26	251	19.0	201	11	US-09-978-564A-477	Sequence 477, App
27	251	19.0	201	11	US-09-999-833A-477	Sequence 477, App
28	251	19.0	201	11	US-09-981-915A-477	Sequence 477, App
29	251	19.0	201	11	US-09-978-824-477	Sequence 477, App
30	251	19.0	201	11	US-09-918-585A-477	Sequence 477, App
31	251	19.0	201	11	US-09-978-423A-477	Sequence 477, App
32	251	19.0	201	11	US-09-978-193A-477	Sequence 477, App
33	251	19.0	201	11	US-09-999-830A-477	Sequence 477, App
34	251	19.0	201	11	US-09-978-757A-477	Sequence 477, App
35	251	19.0	201	11	US-09-978-187B-477	Sequence 477, App
36	251	19.0	201	11	US-09-978-643A-477	Sequence 477, App
37	251	19.0	201	12	US-09-978-375A-477	Sequence 477, App
38	251	19.0	201	12	US-09-978-188A-477	Sequence 477, App
39	251	19.0	201	12	US-09-978-298A-477	Sequence 477, App
40	251	19.0	201	12	US-10-143-031A-477	Sequence 477, App
41	251	19.0	201	12	US-10-002-967A-477	Sequence 477, App
42	251	19.0	201	12	US-10-017-083A-477	Sequence 477, App
43	251	19.0	201	12	US-10-143-030A-477	Sequence 477, App
44	251	19.0	201	12	US-10-199-672-108	Sequence 108, App
45	251	19.0	201	12	US-10-187-749-108	Sequence 108, App

ALIGNMENTS

RESULT 1

US-09-898-554-14  
; Sequence 14, Application US/09898554  
; Publication No. US20030068673A1  
; GENERAL INFORMATION:  
; APPLICANT: TALL, ALAN R  
; APPLICANT: WELCH, CARRIE L  
; APPLICANT: LIANG, CHIEN-PING  
; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 (ATHSQ1) AND ATHE  
; FILE REFERENCE: 0575/64077  
; CURRENT APPLICATION NUMBER: US/09/898,554  
; CURRENT FILING DATE: 2001-07-02  
; NUMBER OF SEQ ID NOS: 40  
; SOFTWARE: Patent in version 3.1  
; SEQ ID NO 14  
; LENGTH: 247  
; TYPE: PRT  
; ORGANISM: Murinae gen. sp.  
; FEATURE:  
; NAME/KEY: misc feature  
; OTHER INFORMATION: Isoform 7  
US-09-898-554-14

Query Match	100.0%;	Score 1319;	DB 11;	Length 247;
Best Local Similarity	100.0%;	Pred. No. 1.4e-98;		
Matches 247;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	MTFDDKMPANDEPDQKSCGKKPKESQREUKGKIDITITRKLDKSKQEELLQIONLQ	60	
Db	1	MTFDDKMPANDEPDQKSCGKKPKESQREUKGKIDITITRKLDKSKQEELLQIONLQ	60	
Qy	61	EALQRAANSSESQRELKGIKIDITITLKLNEKSKQEELLQKQNLQALQRAANFSGPCP	120	
Db	61	EALQRAANSSESQRELKGIKIDITITLKLNEKSKQEELLQKQNLQALQRAANFSGPCP	120	
Qy	121	QDWLWHEKNCYLFHGPGWENKQRTCSLGQLQINGADDLTIFLOISHTTSPFWIGL	180	

Db 121 QDWLWHKNCVLFHGPFGWEKNRQTCQSLGGQLQINGADDLTFILQAISSHTTSPFWIGL 180  
Qy 181 HRKPGQFWLWENGTPLNFOFFKTRGVSLQLYSSNCAYLQDGAFAENCILLIAFSICQK 240  
Db 181 HRKPGQFWLWENGTPLNFOFFKTRGVSLQLYSSNCAYLQDGAFAENCILLIAFSICQK 240  
Qy 241 KTNHLQI 247  
Db 241 KTNHLQI 247

RESULT 2  
US-09-870-759-142  
; Sequence 142, Application US/09870759  
; Patent No. US20020177551A1  
; GENERAL INFORMATION:  
; APPLICANT: TERMAN, David S  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE  
; FILE REFERENCE: 870759  
; CURRENT APPLICATION NUMBER: US/09/870,759  
; CURRENT FILING DATE: 2002-01-14  
; PRIOR APPLICATION NUMBER: US 60/208,128  
; PRIOR FILING DATE: 2000-05-30  
; NUMBER OF SEQ ID NOS: 166  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 142  
; LENGTH: 363  
; TYPE: PRT  
; ORGANISM: Mus musculus  
US-09-870-759-142

Query Match 94.1%; Score 1241; DB 10; Length 363;  
Best Local Similarity 67.5%; Pred. No. 4.3e-92;  
Matches 245; Conservative 0; Mismatches 2; Indels 116; Gaps 1;

Qy 1 MTFFDDKMKPANDPDKSCGKKPK----- 24  
Db 1 MTFFDDKMKPANDPDKSCGKKPKGLHLLSSPWWPAAMTLVILCLVLSVTLIVQWTQLR 60  
Qy 25 ----- 24  
Db 61 QVSDLLKQYQANLTQDDRILEGQMLAQKAENASQESKELKGKIDTLTKLNEKSKEQE 120  
Qy 25 -----ESORELKGKIDTTITRKLDEKSKEQEBELLQMIQNLQALQ 64  
Db 121 ELLQKNQNLQALQRAANSSEESORELKGKIDTTITRKLDEKSKEQEBELLQMIQNLQALQ 180  
Qy 65 RAANSSEESORELKGKIDTLTKLNEKSKEQEBELLQKNQNLQALQRAANFSGPCPDWL 124  
Db 181 RAANSSEESORELKGKIDTLTKLNEKSKEQEBELLQKNQNLQALQRAANFSGPCPDWL 240  
Qy 125 WHKENCYLFHGPFGWEKNRQTCQSLGGQLQINGADDLTFILQAISSHTTSPFWIGLHRKK 184  
Db 241 WHKENCYLFHGPFGWEKNRQTCQSLGGQLQINGADDLTFILQAISSHTTSPFWIGLHRKK 300  
Qy 185 PCQFWLWENGTPLNFOFFKTRGVSLQLYSSNCAYLQDGAFAENCILLIAFSICQKTNH 244  
Db 301 PCQFWLWENGTPLNFOFFKTRGVSLQLYSSNCAYLQDGAFAENCILLIAFSICQKTNH 360  
Qy 245 LQI 247  
Db 361 LQI 363

RESULT 3  
US-09-898-554-20  
; Sequence 20, Application US/09898554  
; Publication No. US20030068673A1  
; GENERAL INFORMATION:  
; APPLICANT: TALL, ALAN R  
; APPLICANT: WELCH, CARRIE L  
; APPLICANT: LIANG, CHIEN-PING  
; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 (ATHSQ1) AND ATHEROS

; TITLE OF INVENTION: SUSCEPTIBILITY GENE LOCUS 2 (ATHSQ2)  
; FILE REFERENCE: 0575/64077  
; CURRENT APPLICATION NUMBER: US/09/898,554  
; CURRENT FILING DATE: 2001-07-02  
; NUMBER OF SEQ ID NOS: 40  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 20  
; LENGTH: 363  
; TYPE: PRT  
; ORGANISM: Murinae gen. sp.  
; FEATURE:  
; NAME/KEY: misc feature  
; OTHER INFORMATION: Isoform 1  
US-09-898-554-20

Query Match 94.1%; Score 1241; DB 11; Length 363;  
Best Local Similarity 67.5%; Pred. No. 4.3e-92;  
Matches 245; Conservative 0; Mismatches 2; Indels 116; Gaps 1;

Qy 1 MTFFDDKMKPANDPDKSCGKKPK----- 24  
Db 1 MTFFDDKMKPANDPDKSCGKKPKGLHLLSSPWWPAAMTLVILCLVLSVTLIVQWTQLR 60  
Qy 25 ----- 24  
Db 61 QVSDLLKQYQANLTQDDRILEGQMLAQKAENASQESKELKGKIDTLTKLNEKSKEQE 120  
Qy 25 -----ESORELKGKIDTTITRKLDEKSKEQEBELLQMIQNLQALQ 64  
Db 121 ELLQKNQNLQALQRAANSSEESORELKGKIDTTITRKLDEKSKEQEBELLQMIQNLQALQ 180  
Qy 65 RAANSSEESORELKGKIDTLTKLNEKSKEQEBELLQKNQNLQALQRAANFSGPCPDWL 124  
Db 181 RAANSSEESORELKGKIDTLTKLNEKSKEQEBELLQKNQNLQALQRAANFSGPCPDWL 240  
Qy 125 WHKENCYLFHGPFGWEKNRQTCQSLGGQLQINGADDLTFILQAISSHTTSPFWIGLHRKK 184  
Db 241 WHKENCYLFHGPFGWEKNRQTCQSLGGQLQINGADDLTFILQAISSHTTSPFWIGLHRKK 300  
Qy 185 PCQFWLWENGTPLNFOFFKTRGVSLQLYSSNCAYLQDGAFAENCILLIAFSICQKTNH 244  
Db 301 PCQFWLWENGTPLNFOFFKTRGVSLQLYSSNCAYLQDGAFAENCILLIAFSICQKTNH 360  
Qy 245 LQI 247  
Db 361 LQI 363

RESULT 4  
US-09-751-708A-142  
; Sequence 142, Application US/09751708A  
; Publication No. US20030157113A1  
; GENERAL INFORMATION:  
; APPLICANT: TERMAN, David S  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE  
; FILE REFERENCE: 751708  
; CURRENT APPLICATION NUMBER: US/09/751,708A  
; CURRENT FILING DATE: 2002-10-15  
; PRIOR APPLICATION NUMBER: US 60/173,371  
; PRIOR FILING DATE: 1999-12-28  
; NUMBER OF SEQ ID NOS: 166  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 142  
; LENGTH: 363  
; TYPE: PRT  
; ORGANISM: Mus musculus  
US-09-751-708A-142

Query Match 94.1%; Score 1241; DB 12; Length 363;  
Best Local Similarity 67.5%; Pred. No. 4.3e-92;  
Matches 245; Conservative 0; Mismatches 2; Indels 116; Gaps 1;

Qy 1 MTFFDDKMKPANDPDKSCGKKPK----- 24

Db 1 MTFFDDKMKPANDPEPDKSCGKPKGLHLLSSPWFPAAMTVILCLVSVTLIVQWTLR 60  
Qy 25 ----- 24  
Db 61 QVSDLLKQYQANLTQODRILEGOMLAQAQKNAASQESKELGKIDTLTKLNEKSKEOE 120  
Qy 25 ----- ESORELKGKIDITITRKLDEKSKOEELLOMTIONLQALQ 64  
Db 121 ELLQKNQNLQALQRAANSSEESQRELKIDITITRKLDEKSKOEELLOMTIONLQALQ 180  
Qy 65 RAANSSEESQRELKIDITITLKLNEKSKEOEELLOKNQNLQALQRAANSFGPCPDWL 124  
Db 181 RAANSSEESQRELKIDITITLKLNEKSKEOEELLOKNQNLQALQRAANSFGPCPDWL 240  
Qy 125 WKENCYLFHGFPGWEKNRQTCOSLGGQLQINGADDLTFILQAISSHTTSPFWIGLHRKK 184  
Db 241 WKENCYLFHGFPGWEKNRQTCOSLGGQLQINGADDLTFILQAISSHTTSPFWIGLHRKK 300  
Qy 185 PQPWLWENGTPLNFOFFKTRGVSLQYSSNCAYLQDGAFAENCILIAFSICQKTNH 244  
Db 301 PQPWLWENGTPLNFOFFKTRGVSLQYSSNCAYLQDGAFAENCILIAFSICQKTNH 360  
Qy 245 LQI 247  
Db 361 LQI 363

## RESULT 5

US-09-898-554-16  
; Sequence 16, Application US/09898554  
; Publication No. US20030068673A1  
; GENERAL INFORMATION:  
; APPLICANT: TALL, ALAN R  
; APPLICANT: WELCH, CARRIE L  
; APPLICANT: LIANG, CHIEN-PING  
; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 (ATHSQ1) AND ATHEROS  
; FILE REFERENCE: 0575/64077  
; CURRENT APPLICATION NUMBER: US/09/898,554  
; PRIOR FILING DATE: 2001-07-02  
; NUMBER OF SEQ ID NOS: 40  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 16  
; LENGTH: 201  
; TYPE: PRT  
; ORGANISM: Murinae gen. sp.  
; FEATURE:  
; NAME/KEY: misc.feature  
; OTHER INFORMATION: Isoform 8  
US-09-898-554-16

Query Match 80.1%; Score 1057; DB 11; Length 201;  
Best Local Similarity 80.6%; Pred. No. 1.4e-77;  
Matches 199; Conservative 0; Mismatches 2; Indels 46; Gaps 1;  
Qy 1 MTFFDDKMKPANDPEPDKSCGKPKGLHLLSSPWFPAAMTVILCLVSVTLIVQWTLR 60  
Db 1 MTFFDDKMKPANDPEPDKSCGKPKGLHLLSSPWFPAAMTVILCLVSVTLIVQWTLR 24  
Qy 61 EALQRAANSSEESQRELKIDITITLKLNEKSKEOEELLOKNQNLQALQRAANSFGPCP 120  
Db 25 ----- ESORELKGKIDITITLKLNEKSKEOEELLOKNQNLQALQRAANSFGPCP 74  
Qy 121 QDWLWKENCYLFHGFPGWEKNRQTCOSLGGQLQINGADDLTFILQAISSHTTSPFWIGL 180  
Db 75 QDWLWKENCYLFHGFPGWEKNRQTCOSLGGQLQINGADDLTFILQAISSHTTSPFWIGL 134  
Qy 181 HRKXPGQPLWENGTPLNFOFFKTRGVSLQYSSNCAYLQDGAFAENCILIAFSICQK 240  
Db 135 HRKXPGQPLWENGTPLNFOFFKTRGVSLQYSSNCAYLQDGAFAENCILIAFSICQK 194  
Qy 241 KTNHLQI 247

Db 195 KTNHLQI 201

## RESULT 6

US-10-220-511-15  
; Sequence 15, Application US/10220511  
; Publication No. US20030143226A1  
; GENERAL INFORMATION:  
; APPLICANT: Kobayashi, Yuko  
; APPLICANT: Teuji, Hiroyuki  
; APPLICANT: Kamada, Masafumi  
; APPLICANT: Sawamura, Tatsuya  
; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES AGAINST OXIDIZED LDL RECEPTOR AND  
; FILE REFERENCE: SHIM-017  
; CURRENT APPLICATION NUMBER: US/10/220,511  
; CURRENT FILING DATE: 2002-12-06  
; PRIOR APPLICATION NUMBER: JP P2000-57745  
; PRIOR FILING DATE: 2000-03-02  
; PRIOR APPLICATION NUMBER: JP P2000-333116  
; PRIOR FILING DATE: 2000-10-31  
; PRIOR APPLICATION NUMBER: PCT/JP01/01636  
; PRIOR FILING DATE: 2001-03-02  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 15  
; LENGTH: 364  
; TYPE: PRT  
; ORGANISM: Rattus norvegicus  
US-10-220-511-15

Query Match 73.7%; Score 972; DB 12; Length 364;  
Best Local Similarity 53.2%; Pred. No. 2.1e-70;  
Matches 192; Conservative 23; Mismatches 30; Indels 116; Gaps 2;  
Qy 1 MTFFDDKMKPANDPEPDKSCGKPKGLHLLSSPWFPAAMTVILCLVSVTLIVQWTLR 24  
Db 1 MAFDDKMKPVNGPDKSCGKPKGLHLLSSPWFPAAMTVILCLVSVTLIVQWTLR 60  
Qy 25 ----- ESORELKGKIDITITRKLDEKSKOE 50  
Db 61 QVSDLLKQYQANLTQODRILEGOMLAQAQKNAASQESKELGKIDITITLKLNEKSKEOE 120  
Qy 51 ELLQKNQNLQALQRAANS ----- 69  
Db 121 KLLQKNQNLQALQRAANSSEESQRELKIDITLKLNEKSKEOEELLOKNQNLQALQ 180  
Qy 70 ----- SEESQRELKIDITITLKLNEKSKEOEELLOKNQNLQALQRAANSFGPCPDWL 124  
Db 181 KAERYSEESQRELKIDITLKLNEKSKEOEELLOKNQNLQALQRAANSFGPCPDWL 240  
Qy 125 WKENCYLFHGFPGWEKNRQTCOSLGGQLQINGADDLTFILQAISSHTTSPFWIGLHRKK 184  
Db 241 WKENCYLFHGFPGWEKNRQTCOSLGGQLQINGADDLTFILQAISSHTTSPFWIGLHRKK 300  
Qy 185 PQPWLWENGTPLNFOFFKTRGVSLQYSSNCAYLQDGAFAENCILIAFSICQKTNH 244  
Db 301 PNHFWLWENGTPLNFOFFKTRGVSLQYSSNCAYLQDGAFAENCILIAFSICQKTNH 360  
Qy 245 L 245  
Db 361 L 361

## RESULT 7

US-09-898-554-18  
; Sequence 18, Application US/09898554  
; Publication No. US20030068673A1  
; GENERAL INFORMATION:  
; APPLICANT: TALL, ALAN R  
; APPLICANT: WELCH, CARRIE L  
; APPLICANT: LIANG, CHIEN-PING



; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 (ATHSQ1) AND ATHEROS  
; TITLE OF INVENTION: SUSCEPTIBILITY GENE LOCUS 2 (ATHSQ2)  
; FILE REFERENCE: 0575/64077  
; CURRENT APPLICATION NUMBER: US/09/898,554  
; CURRENT FILING DATE: 2001-07-02  
; NUMBER OF SEQ ID NOS: 40  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 18  
; LENGTH: 155  
; TYPE: PRT  
; ORGANISM: Murinae gen. sp.  
; NAME/KEY: misc feature  
; OTHER INFORMATION: Isoform 9  
US-09-898-554-18

Query Match 61.6%; Score 812; DB 11; Length 155;  
Best Local Similarity 61.9%; Pred. No. 5,7e-58;  
Matches 153; Conservative 0; Mismatches 2; Indels 92; Gaps 1;  
Qy 1 MTFDDKMPANDEPDQKSGKKPKESORELKGKIDITTRKLDEKSKQEELLQMIQNLQ 60.  
Db 1 MTFDDKMPANDEPDQKSGKKPK-----24  
Qy 61 EALQRAANSSEESORELKGKIDITLTLKNEKSKQEELLQKNQNLQALQRAANFSGPCP 120  
Db 25 -----GCP 28  
Qy 121 QDWLWHKENCYLFHGFPGWKNRQTCQSLGQQLQINGADDLTFLQAISSHTTSPFWIGL 180  
Db 29 QDWLWHKENCYLFHGFPGWKNRQTCQSLGQQLQINGADDLTFLQAISSHTTSPFWIGL 88  
Qy 181 HRKXPGQPLWENGTPNFQFKTRGVSLQYSSNCAYLQDGAFAENCILIAFSICQK 240  
Db 89 HRKXPGQPLWENGTPNFQFKTRGVSLQYSSNCAYLQDGAFAENCILIAFSICQK 148  
Qy 241 KTNHLQI 247  
Db 149 KTNHLQI 155

RESULT 8  
US-09-898-554-26  
; Sequence 26, Application US/09898554  
; Publication No. US20030068673A1  
; GENERAL INFORMATION:  
; APPLICANT: TALL, ALAN R  
; APPLICANT: WELCH, CARRIE L  
; APPLICANT: LIANG, CHEN-PING  
; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 (ATHSQ1) AND ATHEROS  
; TITLE OF INVENTION: SUSCEPTIBILITY GENE LOCUS 2 (ATHSQ2)  
; FILE REFERENCE: 0575/64077  
; CURRENT APPLICATION NUMBER: US/09/898,554  
; CURRENT FILING DATE: 2001-07-02  
; NUMBER OF SEQ ID NOS: 40  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 26  
; LENGTH: 207  
; TYPE: PRT  
; ORGANISM: Murinae gen. sp.  
; NAME/KEY: misc feature  
; OTHER INFORMATION: Isoform 4  
US-09-898-554-26

Query Match 54.8%; Score 723; DB 11; Length 207;  
Best Local Similarity 66.7%; Pred. No. 1,2e-50;  
Matches 142; Conservative 16; Mismatches 19; Indels 36; Gaps 4;  
Qy 1 MTFDDKMPANDEPDQKSGKKPK-----ESORELK 32  
Db 1 MTFDDKMPANDEPDQKSGKKPK-----24

Qy 33 GKIDITTRKLDEKSKQEELL--OMIQNLQALQRAANSSEESORELKGKIDITLTLKNE 90  
Db 61 -QVSDLLKQYQANLTQDRILEGQML-----AQKAENTSQESKKELGKIDITLTLKNE 114  
Qy 91 KSKQEELLQKNQNLQALQRAANFSGPCPDWLWHKENCYLFHGFPGWKNRQTCQSLG 150  
Db 115 KSKQEELLQKNQNLQALQRAANFSGPCPDWLWHKENCYLFHGFPGWKNRQTCQSLG 174  
Qy 151 GQLLQINGADDLTFLQAISSHTTSPFWIGLHRK 183  
Db 175 GQLLQINGADDLTFLQAISSHTTSPFWIGLHRK 207

## RESULT 9

US-10-220-511-11  
; Sequence 11, Application US/10220511  
; Publication No. US20030143226A1  
; GENERAL INFORMATION:  
; APPLICANT: Kobayashi, Yuko  
; APPLICANT: Tsuji, Hiroyuki  
; APPLICANT: Kamada, Masafumi  
; APPLICANT: Sawamura, Tatsuya  
; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES AGAINST OXIDIZED LDL RECEPTOR AND  
; TITLE OF INVENTION: PHARMACEUTICAL USES THEREOF  
; FILE REFERENCE: SHIM-017  
; CURRENT APPLICATION NUMBER: US/10/220,511  
; CURRENT FILING DATE: 2002-12-06  
; PRIOR APPLICATION NUMBER: JP P2000-57745  
; PRIOR FILING DATE: 2000-03-02  
; PRIOR APPLICATION NUMBER: JP P2000-333116  
; PRIOR FILING DATE: 2000-10-31  
; PRIOR APPLICATION NUMBER: PCT/JP01/01636  
; PRIOR FILING DATE: 2001-03-02  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 11  
; LENGTH: 278  
; TYPE: PRT  
; ORGANISM: Oryctolagus cuniculus  
US-10-220-511-11

Query Match 48.7%; Score 643; DB 12; Length 278;  
Best Local Similarity 49.3%; Pred. No. 4,9e-44;  
Matches 135; Conservative 39; Mismatches 70; Indels 30; Gaps 6;  
Qy 1 MTFDD-KMKPANDEPDQKSGKKPKESORELK-----GKIDITTR---40  
Db 5 MAVDDLKVKPMKQDPQKSGKKPK--GLRFLSSPWWCPAAVALGVLCGLSLMTIIMLG 62  
Qy 41 ---KLDEKSKQEELLQMIQNLQ-----ALQRAANSSEESORELKGKIDITLTLKNEKSK 93  
Db 63 QLLQVSDLLKQYQANLTQDRILEGQML-----AQKAENTSQESKKELGKIDITLTLKNEKSK 122  
Qy 94 EQEELLQKNQNLQALQRAANFSGPCPDWLWHKENCYLF-HGPFQWKNRQTCQSLGQ 152  
Db 123 QKMLNHQVNLQALQRAANFSGPCPDWLWHKENCYLFSSGSGFWNWSQEKCLSLDAQ 182  
Qy 153 LLOQINGADDLTFLQAISSHTTSPFWIGLHRKXPGQPLWENGTPNFQFKTRGVSLQY 212  
Db 183 LLKINSTEDLGFTQATSHSPFWMGLSRRKPDVSLWEDGSLPLPHLFRFQCAVSQRY 242  
Qy 213 SSSNCAYLQDGAFAENCILIAFSICOKTNNHLO 246  
Db 243 PSGTCAIYOKGNVFAENCILVAYSICOKKANLIL 276

## RESULT 10

US-10-220-511-13  
; Sequence 13, Application US/10220511  
; Publication No. US20030143226A1  
; GENERAL INFORMATION:  
; APPLICANT: Kobayashi, Yuko  
; APPLICANT: Tsuji, Hiroyuki

```
; APPLICANT: Kamada, Masafumi
; APPLICANT: Sawamura, Tatsuya
; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES AGAINST OXIDIZED LDL RECEPTOR AND
; TITLE OF INVENTION: PHARMACEUTICAL USES THEREOF
; FILE REFERENCE: SHIM-017
; CURRENT APPLICATION NUMBER: US/10/220,511
; CURRENT FILING DATE: 2002-12-06
; PRIOR APPLICATION NUMBER: JP P2000-57745
; PRIOR FILING DATE: 2000-03-02
; PRIOR APPLICATION NUMBER: JP P2000-333116
; PRIOR FILING DATE: 2000-10-31
; PRIOR APPLICATION NUMBER: PCT/JP01/01636
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 13
; LENGTH: 274
; TYPE: PRT
; ORGANISM: Sus scrofa
US-10-220-511-13

Query Match      48.4%; Score 639; DB 12; Length 274;
Best Local Similarity 47.3%; Pred. No. 1e-43;
Matches 131; Conservative 37; Mismatches 73; Indels 36; Gaps 5;

QY 1 MTFDD-KMKPANDPDKSCGKKPKESQRELK----- 32
DB 1 MTLDDLKSNMKDQPKESKNG--DKAEGPRSLTLRWRPAALILGLLGLLVTVILLII 58

QY 33 --GKIDTTTRKLDKSKQEBELLQMIQNLQ-----BALQRAANSSESRQELKIDTTLTKLNE 90
DB 59 QLSQVSDLLTKQKVLTHQEDIL---EGQALAQRAEKSSQESQRELTEMIETLAHLKDE 115

QY 91 KSKQEBELLQKNLQNLQALQRAANFSGPCPDWLWHKENCYLF-HGPFGEKKNROTCSL 149
DB 116 KSKQEBELLQKNLQNLQALQRAANFSGPCPDWLWHKENCYLF-HGPFGEKKNROTCSL 175

QY 150 GGQLLOINGADDLTFILQAIHSHTTSPFWIGLHRRKPGQPLWENGTPLNFOFFKTRGVSL 209
DB 176 DAQLLKINSTDDLEFIQQTIAHSSFPFWGLSLRKFNNSWLEDGTPPLMPLHLFRLQGAAS 235

QY 210 QLYSSNCAYLQDGAFAENCILIAFSICQKTNHLO 246
DB 236 OMYPSTCAYIHRGIVFAENCILIAFSICQKTNHLLR 272

RESULT 11
US-09-796-858-47
; Sequence 47, Application US/09796858
; Patent No. US20020055139A1
; GENERAL INFORMATION:
; APPLICANT: Holtzmann, Douglas
; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEINS HAVING PROGNOSTIC, DIAGNOSTIC,
; TITLE OF INVENTION: PREVENTIVE, THERAPEUTIC, AND OTHER USES
; FILE REFERENCE: 7853-226-999
; CURRENT APPLICATION NUMBER: US/09/796,858
; CURRENT FILING DATE: 2001-03-01
; PRIOR APPLICATION NUMBER: 09/223,094
; PRIOR FILING DATE: 1998-12-30
; PRIOR APPLICATION NUMBER: 09/223,546
; PRIOR FILING DATE: 1998-12-30
; PRIOR APPLICATION NUMBER: 09/224,246
; PRIOR FILING DATE: 1998-12-30
; PRIOR APPLICATION NUMBER: 09/312,359
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: 09/336,536
; PRIOR FILING DATE: 1999-06-18
; PRIOR APPLICATION NUMBER: 09/342,687
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: 09/399,723
; PRIOR FILING DATE: 1999-09-20
; PRIOR APPLICATION NUMBER: 09/471,179
; PRIOR FILING DATE: 1999-12-23
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; PRIOR APPLICATION NUMBER: 09/474,071
; PRIOR FILING DATE: 1999-12-29
; PRIOR APPLICATION NUMBER: 09/474,072
; PRIOR FILING DATE: 1999-12-29
; PRIOR APPLICATION NUMBER: 09/572,002
; PRIOR FILING DATE: 2000-05-14
; PRIOR APPLICATION NUMBER: 09/597,993
; PRIOR FILING DATE: 2000-06-12
; PRIOR APPLICATION NUMBER: 09/599,596
; PRIOR FILING DATE: 2000-06-22
; PRIOR APPLICATION NUMBER: 09/606,565
; PRIOR FILING DATE: 2000-06-29
; PRIOR APPLICATION NUMBER: 09/365,164
; PRIOR FILING DATE: 1999-07-30
; PRIOR APPLICATION NUMBER: 09/630,334
; PRIOR FILING DATE: 2000-07-31
; PRIOR APPLICATION NUMBER: 09/665,666
; PRIOR FILING DATE: 2000-09-20
; NUMBER OF SEQ ID NOS: 50
; SEQ ID NO 47
; LENGTH: 273
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-796-858-47

Query Match      48.3%; Score 637; DB 9; Length 273;
Best Local Similarity 48.9%; Pred. No. 1.4e-43;
Matches 134; Conservative 35; Mismatches 69; Indels 36; Gaps 6;

QY 1 MTFDD-KMKPANDPDKSCGKKPKESQRELK-----GKIDTTI-- 38
DB 1 MTFDDLKTIQTKYDQPKESKNGKAK-----GLQFLYSPWMCCLAAATLGLVGLVVTIMV 55

QY 39 -----TRKLDKSKQEBELLQMIQNLQ---BALQRAANSSESRQELKIDTTLTKLNE 90
DB 56 LGMQLSQVSDLLTQEQANLTHQKKLEGQISARQQAEEASQESNELKEMIEETLARKLNE 115

QY 91 KSKQEBELLQKNLQNLQALQRAANFSGPCPDWLWHKENCYLF-HGPFGEKKNROTCSL 149
DB 116 KSKQEBELLQKNLQNLQALQRAANFSGPCPDWLWHKENCYLF-HGPFGEKKNROTCSL 175

QY 150 GGQLLOINGADDLTFILQAIHSHTTSPFWIGLHRRKPGQPLWENGTPLNFOFFKTRGVSL 209
DB 176 DAKLKINSTADLDFIQQAISYSPFPFWGLSLRRNPSPYPLWLEDGSLMPLHLFRVRGAVS 235

QY 210 QLYSSNCAYLQDGAFAENCILIAFSICQKKTN 243
DB 236 QTYPSGTCAYIQRGAVFAENCILIAFSICQKKTN 269

RESULT 12
US-10-220-511-2
; Sequence 2, Application US/10220511
; Publication No. US20030143226A1
; GENERAL INFORMATION:
; APPLICANT: Kobayashi, Yuko
; APPLICANT: Tsuji, Hiroyuki
; APPLICANT: Kamada, Masafumi
; APPLICANT: Sawamura, Tatsuya
; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES AGAINST OXIDIZED LDL RECEPTOR AND
; TITLE OF INVENTION: PHARMACEUTICAL USES THEREOF
; FILE REFERENCE: SHIM-017
; CURRENT APPLICATION NUMBER: US/10/220,511
; CURRENT FILING DATE: 2002-12-06
; PRIOR APPLICATION NUMBER: JP P2000-57745
; PRIOR FILING DATE: 2000-03-02
; PRIOR APPLICATION NUMBER: JP P2000-333116
; PRIOR FILING DATE: 2000-10-31
; PRIOR APPLICATION NUMBER: PCT/JP01/01636
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
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; LENGTH: 273
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-220-511-2

Query Match      48.3%; Score 637; DB 12; Length 273;
Best Local Similarity 48.9%; Pred. No. 1.4e-43;
Matches 134; Conservative 35; Mismatches 69; Indels 36; Gaps 6;

Qy 1 MTFDD-KMKPANDPDQKSCGKPKESQRELK-----GKIDTI-- 38
Db 1 MTFDDLKIQTVDQDQPKSNGKAK-----GLQFLYSPFWCLAAATLGLVLCGLVAVTIV 55
Qy 39 -----TRKLDKSKQEBELQMIQNLQ---EALQRAANSSEESQRELKGDITLTLKNE 90
Db 56 LGMQLSQVLLDTEQANLTHQKKLGGQISARQQAEEASQESSENEKEMETIETLARKNE 115
Qy 91 KSKQEELQKQNLQALQALQAAAFSGPCQDMLWHKENCYLF-HGPFGEKKNQTCQSL 149
Db 116 KSKQEMELHQNQLNQLTKEVANCAPQDMLWHGNCYLFSSGSGFNWKEKSKL 175
Qy 150 GGQLLQINGADDLTFILOAHSHTTSPFWIGLHRKPKQCPWLWNGTPTLNTQFKTRGVS 209
Db 176 DAKLLKINSTADLFIQQAISYSSFPFWGLSRNPSPYMLWEDGSLPMLPHLFRVGA 235
Qy 210 QLYSSNCAYLQDGAFAENCILTAFTSICOKKTN 243
Db 236 QTPSGTGTCAYIORGAVFAENCILTAFTSICOKKAN 269

RESULT 13.
US-10-220-511-4
; Sequence 4, Application US/10220511
; Publication No. US20030143226A1
; GENERAL INFORMATION:
; APPLICANT: Kobayashi, Yuko
; APPLICANT: Tsuji, Hiroyuki
; APPLICANT: Kamada, Masafumi
; APPLICANT: Sawamura, Tatsuya
; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES AGAINST OXIDIZED LDL RECEPTOR AND
; FILE REFERENCE: SHIM-017
; CURRENT FILING DATE: 2002-12-06
; PRIOR APPLICATION NUMBER: JP P2000-57745
; PRIOR FILING DATE: 2000-03-02
; PRIOR APPLICATION NUMBER: JP P2000-333116
; PRIOR FILING DATE: 2000-10-31
; PRIOR APPLICATION NUMBER: PCT/JP01/01636
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn ver. 2.1
; SEQ ID NO 4
; LENGTH: 270
; TYPE: PRT
; ORGANISM: Bos taurus
US-10-220-511-4

Query Match      45.2%; Score 596; DB 12; Length 270;
Best Local Similarity 44.6%; Pred. No. 2.9e-40;
Matches 125; Conservative 39; Mismatches 70; Indels 46; Gaps 6;

Qy 1 MTFDDKMKPANDPDQKSCGKPK-----ESQR 29
Db 1 MTFDDP-KGMDQDQDQKNGKTAKGFVSSNRWYPAATVGLVGLLVTILLILQUSQ- 58
Qy 30 ELKGKIDITITRKLDEKSEBEL--QMIQNLQALQRAANSSEESQRELKGDITLTLK 87
Db 59 -----VSDLLKQOANITHQEDILEGQIL-----AQRSEKSAQESQKELMETIETLAH 108
Qy 88 LNEKSKQEBELQKQNLQALQALQAAAFSGPCQDMLWHKENCYLF-HGPFGEKKNQTC 146
Db 109 LDEKSKLMELHQNQLNQLTKEVANCAPQDMLWHGNCYLFSSGSGFNWKEKSKQ 168

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Qy 147 QSLGGQLQINGADDLTFILOAHSHTTSPFWIGLHRKPKQCPWLWNGTPTLNTQFKTRG 206
Db 169 LSLDAHLKINSTDELEFQQMIAHSSFPFWGLSRKPNKYSLWMLWEDGTPLTLPHPRIQG 228
Qy 207 VSLQLYSSNCAYLQDGAFAENCILTAFTSICOKKTNHLQ 246
Db 229 AVSRWYPSGTCAVIQRTVFAENCILTAFTSICOKKANLLR 268

RESULT 14
US-09-898-554-24
; Sequence 24, Application US/09898554
; Publication No. US20030068673A1
; GENERAL INFORMATION:
; APPLICANT: TALL, ALAN R
; APPLICANT: WELCH, CARRIE L
; APPLICANT: LIANG, CHEN-PING
; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 (ATHSQ1) AND ATHER
; FILE REFERENCE: 0575/64077
; CURRENT APPLICATION NUMBER: US/09/898,554
; CURRENT FILING DATE: 2001-07-02
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 24
; LENGTH: 165
; TYPE: PRT
; ORGANISM: Murinae gen. sp.
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Isoform 3
US-09-898-554-24

Query Match      29.6%; Score 390; DB 11; Length 165;
Best Local Similarity 52.1%; Pred. No. 6.3e-24;
Matches 86; Conservative 6; Mismatches 3; Indels 70; Gaps 1;

Qy 1 MTFDDKMKPANDPDQKSCGKPK----- 24
Db 1 MTFDDKMKPANDPDQKSCGKPKGLHLSSPFWPFAATVILCLVLSVTLLVQVTLR 60
Qy 25 -----ESQRELKKGKIDITITRKLDEKSEKEQ 50
Db 61 QVSDLLKQYQANLTQODRILEGQMLAQKAENTSQSKKELKGDITLTLKLNKSEKEQ 120
Qy 51 ELLQMTQNLQALQRAANSSEESQRELKGDITLTLKLNKSEKEQ 95
Db 121 ELLQKQNLQALQRAANSSEESQRELKGDITLTLKLNKSEKEQ 165

RESULT 15
US-10-114-893-48
; Sequence 48, Application US/10114893
; Publication No. US20020193567A1
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Kenneth
; APPLICANT: McCoy, John M.
; APPLICANT: Lavallie, Edward R.
; APPLICANT: Collins-Racie, Lisa A.
; APPLICANT: Evans, Cheryl
; APPLICANT: Merberg, David
; APPLICANT: Treacy, Maurice
; APPLICANT: Bowman, Michael R.
; APPLICANT: Spaulding, Vikki
; APPLICANT: Carlin-Duckett, McKeough
; APPLICANT: Kelleher, Kerry S.
; APPLICANT: Genetics Institute, Inc.
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM
; FILE REFERENCE: GI 6000-10A
; CURRENT APPLICATION NUMBER: US/10/114,893
; CURRENT FILING DATE: 2002-04-02
; EARLIER APPLICATION NUMBER: 09/413,232

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/ EARLIER FILING DATE: 1999-10-06  
/ NUMBER OF SEQ ID NOS: 321  
/ SOFTWARE: PatentIn Ver. 2.0  
/ SEQ ID NO 48  
/ LENGTH: 189  
/ TYPE: PRT  
/ ORGANISM: Homo sapiens  
US-10-114-893-48

Query Match 27.5%; Score 363; DB 14; Length 189;  
Best Local Similarity 44.0%; Pred. No. 1.1e-21;  
Matches 85; Conservative 25; Mismatches 47; Indels 36; Gaps 6;  
Qy 1 MTFDD-KMKPANDPDKSCGKPKKEESQRELK-----GKIDTI-- 38  
Db 1 MTFDDLKIQTVDKDPDKSNGKKK-----GLQFLYSPWWCLAAATLGVLCLGLVVTIMV 55  
Qy 39 -----TRKLDKSKQEELLQMIQNLQ-----EALQRAANSSEESQRELKIDTTLTKLNE 90  
Db 56 LGMQLSQVSDLLTQEQANLTHOKKLEGGQISARQQAEEASQSENELKEMIETLARKLNE 115  
Qy 91 KSKEQEBELLQKNQNLQEALQRAANFSGPCPDWLWHKENCYLF-HGPFQWEKNQTCOSL 149  
Db 116 KSKEQEMELHHQNLNQETLKVANCAPCPQDWIWHGENCYLFFSSGSFNWEXQEKCLSL 175  
Qy 150 GGQLLIQINGADDL 162  
Db 176 DAKLLKINSTADL 188

Search completed: December 18, 2003, 14:58:39  
Job time : 33 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - nucleic search, using frame\_plus\_p2n model

Run on: December 18, 2003, 23:36:06 ; Search time 67 Seconds  
(without alignments)  
1627.189 Million cell updates/sec

Title: US-09-898-554-14

Perfect score: 1319  
Sequence: 1 MTFDKMKPANDPDKSCG.....ENCILIAFSICKTNNHLQI 247

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Ygapop 10.0, Ygapext 0.5  
Fgapop 6.0, Fgapext 7.0  
Delop 6.0, Delext 7.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

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Maximum Match 100%  
Listing first 45 summaries

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-LOOPEXT=10 -UNIT=Bits -START=1 -END=1 -MATRIX=blosum62 -TRANS=human40.cdi  
-LIST=45 -DOCALIGN=200 -THR SCORE=pct -THR MAX=100 -THR MIN=0 -ALIGN=15  
-MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=2000000000  
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-NO MMAP -LARGEQUERY -NEG SCORES=0 -WAIT -DSBLOCK=100 -LONGLOG  
-DEV TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6  
-FGAPEXT=7 -FGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Issued Patents NA:\*

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- 2: /cgn2\_6/prodata/1/ina/5B\_COMB.seq:\*
- 3: /cgn2\_6/prodata/1/ina/6A\_COMB.seq:\*
- 4: /cgn2\_6/prodata/1/ina/6B\_COMB.seq:\*
- 5: /cgn2\_6/prodata/1/ina/PTUS\_COMB.seq:\*
- 6: /cgn2\_6/prodata/1/ina/backfiles1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	637	48.3	1318	2	US-08-809-494A-5
2	637	48.3	1318	3	US-09-352-302-5
3	596	45.2	1897	3	US-08-809-494A-1
4	596	45.2	1897	3	US-09-352-302-1
5	594.5	45.1	1906	2	US-08-809-494A-3
6	594.5	45.1	1906	3	US-09-352-302-3
7	251	19.0	990	2	US-08-688-342-2
8	251	19.0	990	4	US-09-113-788-2
9	251	19.0	990	4	US-09-016-434-804
10	231	17.5	528	3	US-08-772-440-7
11	231	17.5	528	3	US-08-772-440-1
12	223	16.9	1212	3	US-09-591-435-9

13	223	16.9	1212	3	US-09-591-435-11	Sequence 11, Appli
14	223	16.9	1312	4	US-09-517-605-1	Sequence 1, Appli
15	221	16.8	1740	2	US-09-085-095-2	Sequence 2, Appli
16	221	16.8	1841	4	US-09-996-243-318	Sequence 318, App
17	212	16.1	1212	3	US-09-591-435-10	Sequence 10, Appl
18	207	15.7	378	3	US-08-772-440-9	Sequence 9, Appli
19	186	14.1	885	1	US-08-365-103B-3	Sequence 3, Appli
20	186	14.1	924	1	US-08-365-103B-5	Sequence 5, Appli
21	186	14.1	970	1	US-08-690-095-2	Sequence 2, Appli
22	186	14.1	970	3	US-09-113-789-2	Sequence 2, Appli
23	186	14.1	970	4	US-09-016-434-800	Sequence 800, App
24	186	14.1	1005	1	US-08-365-103B-1	Sequence 1, Appli
25	186	14.1	1737	4	US-08-482-273-34	Sequence 34, Appl
26	179	13.6	821	4	US-09-247-155-52	Sequence 52, Appl
27	179	13.6	963	4	US-09-996-243-423	Sequence 423, App
28	166.5	12.6	693	3	US-08-543-246B-13	Sequence 13, Appl
29	166.5	12.6	1222	3	US-08-543-246B-5	Sequence 5, Appli
30	166.5	12.6	1223	4	US-09-016-434-1347	Sequence 1347, Ap
31	166	12.6	871	1	US-08-650-578-1	Sequence 1, Appli
32	165.5	12.5	1025	1	US-08-365-103B-9	Sequence 9, Appli
33	165.5	12.5	1037	1	US-08-365-103B-7	Sequence 7, Appli
34	163	12.4	573	4	US-09-531-056A-5	Sequence 5, Appli
35	158.5	12.0	402	3	US-08-543-246B-10	Sequence 10, Appl
36	158.5	12.0	648	3	US-08-543-246B-14	Sequence 14, Appl
37	158.5	12.0	1755	3	US-08-543-246B-8	Sequence 8, Appli
38	154.5	11.7	600	5	PCT-US93-10418-1	Sequence 1, Appli
39	152.5	11.6	1370	3	US-09-111-470-9	Sequence 9, Appli
40	150	11.4	4771	3	US-08-840-062-3	Sequence 3, Appli
41	149.5	11.3	699	3	US-08-543-246B-11	Sequence 11, Appl
42	149.5	11.3	1387	3	US-08-543-246B-1	Sequence 1, Appli
43	149	11.3	4588	3	US-08-840-062-1	Sequence 1, Appli
44	148.5	11.3	738	2	US-08-738-462-1	Sequence 1, Appli
45	148.5	11.3	738	5	PCT-US94-07587-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1

US-08-809-494A-5  
; Sequence 5, Application US/08809494A  
; Patent No. 5962260  
; GENERAL INFORMATION:  
; APPLICANT: Sawamura, Tatsuya  
; APPLICANT: Masaki, Tomoo  
; TITLE OF INVENTION: Modified Low-Density Lipoprotein  
; TITLE OF INVENTION: Receptor  
; NUMBER OF SEQUENCES: 8  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: McAulay Fisher Nissen Goldberg & Kiel  
; STREET: 261 Madison Avenue  
; CITY: New York  
; STATE: NY  
; COUNTRY: USA  
; ZIP: 10016-2391  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/809,494A  
; FILING DATE: 24-MAR-1997  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: JP 6-321705  
; FILING DATE: 30-NOV-1994  
; PRIOR APPLICATION NUMBER:  
; APPLICATION DATA: JP 7-214206  
; FILING DATE: 31-JUL-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Goldberg, Jules E  
; REGISTRATION NUMBER: 24408  
; REFERENCE/DOCKET NUMBER: JG-YY-4363PCT



IMMEDIATE SOURCE:  
LIBRARY: Human lung cDNA  
CLONE: lambdahLOX-1  
FEATURE:  
NAME/KEY: 5'UTR  
LOCATION: 66..125  
FEATURE:  
NAME/KEY: 3'UTR  
LOCATION: 949..1309  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 127..948  
US-09-352-302-5

## Alignment Scores:

Pred. No.: 1.08e-65 Length: 1318  
Score: 637.00 Matches: 134  
Percent Similarity: 61.68% Conservative: 35  
Best Local Similarity: 48.91% Mismatches: 69  
Query Match: 48.29% Indels: 36  
DB: 3 Gaps: 6

US-09-898-554-14 (1-247) x US-09-352-302-5 (1-1318)

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QY 20 GlyLysLysProLysGluGluSerGlnArgGluLys----- 32  
DB 187 GGAAAAAAGCTAAA-----GGTCTTCAGTTCTTACTCTCTCATGGTGG 231  
QY 33 -----GlyLysIleAspThrIle----- 38  
DB 232 TGCTCGCTCTCGACTAGGGTCTTGTGCTGGATTAGTAGTACCATATGGTG 291  
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DB 292 CTGGGATGCAATATCCAGGTGTCTGACCTCTTAACACAGAGCAAGCAACCTAACT 351  
QY 54 GlnMetIleGlnAsnLeuGln-----GluAlaLeuGlnArgAlaAlaAsnSer 70  
DB 352 CACCAGAAAAGAACTGGAGGACAGATCTCAGCCCGGCAACAGCAAGAAAGCTTCA 411  
QY 71 GluGluSerGlnArgGluLeuLysGlyLysIleAspThrLeuThrLysLeuAsnGlu 90  
DB 412 CAGGACTCAGAAAACCAACTCAAGGAATGATAGAACCTTCTCGGAAGCTGATGAG 471  
QY 91 LysSerLysGluGlnGluLysLeuGlnLysAsnGlnAsnLeuGlnAlaLeuGln 110  
DB 472 AAATCCAAAGAGCAAAATGGAACCTTCAACCCAGAAATCTGAATCTCCAAGAAACACTGAAG 531  
QY 111 ArgAlaAlaAsnPheSerGlyProCysProGlnAspTrpLeuTrpHisLysGluAsnCys 130  
DB 532 AGAGTAGCAAAATGTTCTGCTCTTGTCCGAGACTGGATCTGGCATGGAGAAACTGT 591  
QY 131 TyrLeuPhe---HisGlyProPheGlyTrpGluLysAsnArgGlnThrCysGlnSerLeu 149  
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QY 150 GlyGlyGlnLeuLeuGlnIleAsnGlyAlaAspAspLeuThrPheIleLeuGlnAlaIle 169  
DB 652 GATGCCAAGTGTGTAATAATATAGCACAGCTGATCTGGACTTCAATCAGCAAGCAAT 711  
QY 170 SerHisThrSerProPheTrpIleGlyLeuHisArgLysLysProGlyGlnProTrp 189  
DB 712 TCCATATTCAGATTTTCCATCTGGATGGAGTGTCTCGGAGGAACCCAGCTACCATGG 771  
QY 190 LeuTrpGluAsnGlyThrProLeuAsnPheGlnPheLysThrArgGlyValSerLeu 209  
DB 772 CTCTGGGAGGCGTCTCTCTTTGATGCCCTTATTTAGATCGGAGCGCTGTCTCC 831  
QY 210 GlnLeuTyrSerSerAsnCysAlaTyrLeuGlnAspGlyAlaValPheAlaGluAsn 229

DB 832 CAGACATACCTTTCAGGTACCTGTGCATATATACACGAGGAGCTGTTTATGCGAAAC 891  
QY 230 CysIleLeuIleAlaPheSerIleCysGlnLysLysThrAsn 243  
DB 892 TGCATTTTACCTGCTTTCAGTATATGTCAGAAAGGCAAC 933

## RESULT 3

US-08-809-494A-1  
Sequence 1, Application US/08809494A  
Patent No. 5952260  
GENERAL INFORMATION:  
APPLICANT: Sawamura, Tatsuya  
APPLICANT: Masaki, Tomoo  
TITLE OF INVENTION: Modified Low-Density Lipoprotein  
TITLE OF INVENTION: Receptor  
NUMBER OF SEQUENCES: 8  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: McAulay Fisher Nissen Goldberg & Kiel  
STREET: 261 Madison Avenue  
CITY: New York  
STATE: NY  
COUNTRY: USA  
ZIP: 10016-2391  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/809,494A  
FILING DATE: 24-MAR-1997  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 6-321705  
FILING DATE: 30-NOV-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 7-214206  
FILING DATE: 31-JUL-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Goldberg, Jules E  
REGISTRATION NUMBER: 24408  
REFERENCE/DOCKET NUMBER: JG-YY-4363PCT  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212 986-4090  
TELEFAX: 212 818-9479  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1897 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
ORIGINAL SOURCE:  
ORGANISM: Bos taurus  
TISSUE TYPE: Vascular endothelial cells  
IMMEDIATE SOURCE:  
LIBRARY: Bovine aortic endothelial cell cDNA  
CLONE: pBLOX-1  
FEATURE:  
NAME/KEY: polyA site  
LOCATION: 1880..1897  
FEATURE:  
NAME/KEY: misc\_RNA  
LOCATION: 1859..1864  
OTHER INFORMATION: /function= "PolyA Signal"  
FEATURE:  
NAME/KEY: 5'UTR  
LOCATION: 1..34  
FEATURE:  
NAME/KEY: 3'UTR

## RESULT 4



Score: 596.00 Matches: 125  
Percent Similarity: 58.57%  
Best Local Similarity: 44.64%  
Query Match: 45.19%  
DB: 3  
Gaps: 6

US-09-898-554-14 (1-247) x US-09-352-302-1 (1-1897)

QY 1 MetThrPheAspLysMetLysProAlaAsnAspGluProAspGlnLysSerCysGly 20  
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QY 21 LysLysProLys----- 24  
DB 92 AAGACAGCAAAAGGTTTGTCTCTTGAGGTGGTACCTGCTGCTGTGACTCTGAGG 151  
QY 25 -----GluGluSerGlnArg 29  
DB 152 GTCCTTTGCTGGGATTACTGGTGACTGTATATTGTTGATCTGCAATTATCCAG--- 208  
QY 30 GluLeuLysGlyLysLeuAspThrLeuArgLysSerLysGluGln 49  
DB 209 -----GTCTCTGATCTCATAAAGAAACAGCAAGCAAAATATTACTCACCAG 253  
QY 50 GluGluLeuLeu-----GlnMetIleGlnAsnLeuGlnGluAlaLeuArgAlaAla 67  
DB 254 GAAGATATCTGGAGGACAGATTTA-----GCCAGCGCCGATCAGAA 298  
QY 68 AsnSerSerGluGluSerGlnArgGluLeuLysLysLeuAspThrLeuThrLeuLys 87  
DB 299 AATCTGCCAGAGGTCTCAGAGGAACCTCAAGAAATGATGAACCTTGCCCAAG 358  
QY 88 LeuAsnGluLysSerLysGlnGlnGluLeuLeuGlnLysAsnGlnAsnGlnGln 107  
DB 359 CTGGATGAGAAATCCAGAAACTAATGGAACCTTCCGCCAGAACCTGAATCTCCAAGAA 418  
QY 108 AlaLeuGlnArgAlaAlaAsnPheSerGlyProCysProGlnAspTrpLeuThrHisLys 127  
DB 419 GTTCTGAAGAGGACAGCAAACTATTGAGTCTTGTGCCCCAGACAGTGGCTCTGGCATGAA 478  
QY 128 GluAsnCysTrpLeuPhe---HisGlyProPheGlyTrpGluLysAsnArgGlnThrCys 146  
DB 479 GAAACTGTACCAATTTCTCTGCTCTTTAATTTGGAAAAAGCCAGGAACTGC 538  
QY 147 GlnSerLeuGlyGlyGlnLeuLeuGlnIleAsnGlyAlaAspLeuThrPheIleLeu 166  
DB 539 TTGCTCTTGGATCCCACTTGCTGAAGATTAATAGCACAGATGAATGGAATTCATCCAG 598  
QY 167 GlnAlaIleSerHisThrThrSerProPheTrpIleGlyLeuHisArgLysLysProGly 186  
DB 599 CAAATGATTGCCCAATTCAGTTTCCCTTCTGGATGGGTGTGCAATGAGAAACCAAT 658  
QY 187 GlnProTrpLeuTrpGluAsnGlyThrProLeuAsnPheGlnPheLysThrArgGly 206  
DB 659 TACTCGTGGCTTGGGAAGATGGTATCTCTTGACGCCCACTGTTTAGAATTCAGGA 718  
QY 207 ValSerLeuGluLeuTrpSerSerAsnCysAlaTrpLeuGlnAspGlyAlaValPhe 226  
DB 719 GCTGTTTCCGTTGATGATCTCTCAGGACCTGTGCATATATTCAAAGGGGAACCTGTTTT 778  
QY 227 AlaGluAsnCysIleLeuIleAlaPheSerIleCysGlnLysLysThrAsnHisLeuGln 246  
DB 779 GCTGAAAACTGCATTTTAACTGCATTTCAGTATATGTCAAAAGAGCGGAATCTATTGAGA 838

RESULT 5  
US-08-809-494A-3  
; Sequence 3, Application US/08809494A  
; Patent No. 5962260  
; GENERAL INFORMATION:  
; APPLICANT: Sawamura, Tatsuya  
; APPLICANT: Masaki, Tomoo  
; TITLE OF INVENTION: Modified Low-Density Lipoprotein  
; TITLE OF INVENTION: Receptor

NUMBER OF SEQUENCES: 8  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: McAulay Fisher Nissen Goldberg & Kiel  
STREET: 261 Madison Avenue  
CITY: New York  
STATE: NY  
COUNTRY: USA  
ZIP: 10016-2391  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/809,494A  
FILING DATE: 24-MAR-1997  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 6-321705  
FILING DATE: 30-NOV-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 7-214206  
FILING DATE: 31-JUL-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Goldberg, Jules E  
REGISTRATION NUMBER: 24408  
REFERENCE/DOCKET NUMBER: JG-YY-4363PCT  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212 986-4090  
TELEFAX: 212 818-9479  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1906 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
ORIGINAL SOURCE:  
ORGANISM: Bos taurus  
TISSUE TYPE: Vascular endothelial cells  
IMMEDIATE SOURCE:  
LIBRARY: Bovine aortic endothelial cells cDNA  
CLONE: pBLOX-1  
FEATURE:  
NAME/KEY: polyA site  
LOCATION: 1889..1906  
FEATURE:  
NAME/KEY: misc RNA  
LOCATION: 1864..1873  
OTHER INFORMATION: /function= "PolyA Signal"  
FEATURE:  
NAME/KEY: 5'UTR  
LOCATION: 1..34  
FEATURE:  
NAME/KEY: 3'UTR  
LOCATION: 857..1906  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 35..856  
US-08-809-494A-3

Alignment Scores:  
Pred. No.: 2,04e-60 Length: 1906  
Score: 594.50 Matches: 125  
Percent Similarity: 57.95% Conservative: 39  
Best Local Similarity: 44.17% Mismatches: 70  
Query Match: 45.07% Indels: 49  
DB: 2 Gaps: 6

US-09-898-554-14 (1-247) x US-08-809-494A-3 (1-1906)

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Db 35 ATGACTGTGTATGACCCC---AAGGGTATGAAGATCAACTTGATCAGAAGCCAAATGGC 91  
Qy 21 LysLysProLys----- 24  
Db 92 AAGACAGCAAAAGGTACTACAGGTTTTCCTCTTGGAGGTGTACCTGCTGTGTG 151  
Qy 25 -----GluGlu 26  
Db 152 ACTCTAGGGTCTTTGTCTGGGATTACTGTGTGACTGTATATTATTGTTGATCTGCAATTA 211  
Qy 27 SerGlnArgGluLeuLysGlyLysIleAspThrIleThrArgLysLeuAspGluLysSer 46  
Db 212 TCCACAG-----GTCTCTGATCTCTATAAGAAACACAGCAAGCAAAATATT 253  
Qy 47 LysGluGlnGlnGluLeuLeu-----GlnMetIleGlnAsnLeuGlnGlnAlaLeuGln 64  
Db 254 ACTCACAGGAGATATCTTGGAGGACAGATTTA-----GCCACAGGC 298  
Qy 65 ArgAlaAlaAsnSerSerGluGlnArgGluLeuLysGlyLysIleAspThrLeu 84  
Db 299 CGATCAGAAAAATCTGCCAGGAGTCACAGAAGGAATCAAAAGAAATGATAGAAACCCCT 358  
Qy 85 ThrLeuLysLeuAsnGluLysSerLysGluGlnGluLeuLeuGlnLysAsnGlnAsn 104  
Db 359 GCCCAAGCTGGATGAGAAATCCAGAAACTTAATGGAACTTCACGCCAGAACTGTAAT 418  
Qy 105 LeuGlnGlnAlaLeuGlnArgAlaAlaAsnPheSerGlyProCysProGlnAspThrLeu 124  
Db 419 CTCCAAGAAGTCTGAAGAGGACAGCAAACTATTACAGTCTTGTCCCAAGACTGGCTC 478  
Qy 125 TrpHisLysGluAsnCysTyLeuPhe---HisGlyProPheGlyTrpGluLysAsnArg 143  
Db 479 TGGCATGAAGAAACTGTACCAATTTTCTCTGCTCTTTTAATTTGGGAAAAAGCCAG 538  
Qy 144 GlnThrCysGlnSerLeuGlyGlyGlnLeuGlnIleAsnGlyAlaAspLeuThr 163  
Db 539 GAGAACTGCTGTCTTTGGATGCCACTTGTCTGAAGATTAATAGCACAGATGAATCGAA 598  
Qy 164 PheIleLeuGlnAlaIleSerHisThrThrSerProPheTrpIleGlyLeuHisArgLys 183  
Db 599 TTCATCCAGCAAAATGATGCCATTCAGTTTCCCTCTCTGATGGGTTGTCAATGAGG 658  
Qy 184 LysProGlyGlnProTrpLeuTrpGluAsnGlyThrProLeuAsnPheGlnPhePheLys 203  
Db 659 AAACCCAAATTAATCTCGTGGCTTTGGGAAGATGTAATCTCTTCAAGCCCACTTGTGTTAGA 718  
Qy 204 ThrArgGlyValSerLeuGlnLeuTyrrSerSerAsnCysAlaTyrrLeuGlnAspGly 223  
Db 719 ATTCAGGAGCTGTTTCCGATGATGATCTTCAGGAGCTGTGCATATATTCAAGGGGA 778  
Qy 224 AlaValPheAlaGluAsnCysIleLeuIleAlaPheSerIleCysGlnLysLysThrAsn 243  
Db 779 ACTGTTTTTGTGAAACTGCAATTTTAACTGCATTCAGTATATGTCAAAAGAGCGCAAT 838  
Qy 244 HisLeuGln 246  
Db 839 CTATTGAGA 847

## RESULT 6

US-09-352-302-3

; Sequence 3, Application US/09352302

; Patent No. 6197937

; GENERAL INFORMATION:

; APPLICANT: Sawamura, Tatsuya

; APPLICANT: Masaki, Tomoo

; TITLE OF INVENTION: Modified Low-Density Lipoprotein

; NUMBER OF SEQUENCES: 8

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: McAulay Fisher Nissen Goldberg &amp; Kiel

; STREET: 261 Madison Avenue

CITY: New York  
STATE: NY  
COUNTRY: USA  
ZIP: 10016-2391  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/352,302  
FILING DATE: 12-JUL-1999  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 6-321705  
FILING DATE: 30-NOV-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 7-214206  
FILING DATE: 31-JUL-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Goldberg, Jules E  
REGISTRATION NUMBER: 24408  
REFERENCE/DOCKET NUMBER: JG-YY-4363PCT/D  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212 986-4090  
TELEFAX: 212 818-9479  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1906 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
ORIGINAL SOURCE:  
ORGANISM: Bos taurus  
TISSUE TYPE: Vascular endothelial cells  
IMMEDIATE SOURCE:  
LIBRARY: Bovine aortic endothelial cells cDNA  
CLONE: pBLOX-1  
FEATURE:  
NAME/KEY: polyA\_site  
LOCATION: 1889..1906  
FEATURE:  
NAME/KEY: misc RNA  
LOCATION: 1864..1873  
OTHER INFORMATION: /function= "PolyA Signal"  
FEATURE:  
NAME/KEY: 5'UTR  
LOCATION: 1..34  
FEATURE:  
NAME/KEY: 3'UTR  
LOCATION: 857..1906  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 35..856  
US-09-352-302-3

## Alignment Scores:

Pred. No.:	2,04e-60	Length:	1906
Score:	594.50	Matches:	125
Percent Similarity:	57.95%	Conservative:	39
Best Local Similarity:	44.17%	Mismatches:	70
Query Match:	45.07%	Indels:	49
DB:		Gaps:	6

US-09-898-554-14 (1-247) x US-09-352-302-3 (1-1906)

Qy 1 MetThrPheAspAspLysMetLysProAlaAsnAspGluProAspGlnLysSerCysGly 20

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QY 21 LysLysProLys-----24  
Db 92 AAGACAGCAAAAGGTACTACAGGTTTGTTCCTCTTGGAGGTGACCTGCTGCTG 151  
QY 25 -----GluGlu 26  
Db 152 ACTCTAGGGGCTCTTGTCTGGGATTACTGGTGACTGTATATTGTTGATCTGCAATTA 211  
QY 27 SerGlnArgGluLeuLysGlyLysIleAspThrIleThrArgLysLeuAspGluLysSer 46  
Db 212 TCCAG-----GTCCTGTACTCATAAAGAAACAGCAAGCAATATT 253  
QY 47 LysGluGlnGluLeuLeu-----GlnMetIleGlnAsnLeuGlnGluAlaLeuGln 64  
Db 254 ACTCACAGGAAGATCTCTGGAGGACAGATTTA-----GCCACGCG 298  
QY 65 ArgAlaAlaAsnSerSerGluGluSerGlnArgGluLeuLysGlyLysIleAspThrLeu 84  
Db 299 CGATCAGAAAATCTCCCGAGGAGTCACAGAGAACTCAAGAAATGATAGAAACCTT 358  
QY 85 ThrLeuLysLeuAsnGluLysSerLysGluGlnGluGluLeuLeuGlnLysAsnGlnAsn 104  
Db 359 GCCCACAGCTGGATGAGAACTCAAGAACTTAATGGAACCTTCCCGCCAGAACCTGAAT 418  
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Db 419 CTCCAAGAGTCTGAAAGAGGAGCAAACTATTTCAGGTCTTGTCTCCCAAGACTGGCTC 478  
QY 125 TrpHisLysGluAsnCysTyrLeuPhe---HisGlyProPheGlyTrpGluLysAsnArg 143  
Db 479 TGGCATGAGAAACTGTACCAATTTTCTCTGGCTCTTTTAATTTGGGAAAAACCCAG 538  
QY 144 GlnThrCysGlnSerLeuGlyGlyGlnLeuLeuGlnIleAsnGlyAlaAspAspLeuThr 163  
Db 539 GAGAACTGCTGTCTTGTGATGCCACTTCTGCTGAGATTAAATAGCACAGATGAACCTGAA 598  
QY 164 PheIleLeuGlnAlaIleSerHisThrThrSerProPheTrpIleGlyLeuHisArgLys 183  
Db 599 TTCATCCAGCAAAATGATGCCAATTCAGTTTCCCTCTCTGGATGGGTTGTCAATGAGG 658  
QY 184 LysProGlyGlnProTrpLeuTrpGluAsnGlyThrProLeuAsnPheGlnPheLys 203  
Db 659 AAACCAATCTCGTGGCTTTGGAGATGGTACTCTTTGACGCCCCACCTGTTTGA 718  
QY 204 ThrArgGlyValSerLeuGlnLeuTyrSerSerAsnCysAlaTyrLeuGlnAspGly 223  
Db 719 ATTCAAGGAGCTGTTCCCGTATGTATCTCTCAGGAGCTGTGCATATATTCAGAGGGA 778  
QY 224 AlaValPheAlaGluAsnCysIleLeuIleAlaPheSerIleCysGlnLysLysThrAsn 243  
Db 779 ACTGTTTTTCTGAAAACTGCATTTTAACCTGCATTCAGTATATGTCAAAAGAGGCGAAT 838  
QY 244 HisLeuGln 246  
Db 839 CTATTGAGA 847

## RESULT 7

US-08-688-342-2

; Sequence 2, Application US/08688342

; Patent No. 5871964

; GENERAL INFORMATION:

; APPLICANT: Au-Young, Janice

; APPLICANT: Cocks, Benjamin G.

; APPLICANT: Goli, Surya K.

; APPLICANT: Hillman, Jennifer L.

; TITLE OF INVENTION: NOVEL HUMAN C-TYPE LECTIN

; NUMBER OF SEQUENCES: 5

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Incyte Pharmaceuticals, Inc.

; STREET: 3174 Porter Drive

; CITY: Palo Alto

; STATE: CA

; COUNTRY: US

ZIP: 94304  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: Fast-Seq Version 1.5  
CURRENT APPLICATION DATA: US/08/688,342  
APPLICATION NUMBER: US/08/688,342  
FILING DATE: Filed Herewith  
ATTORNEY/AGENT INFORMATION:  
NAME: Billings, Lucy J.  
REGISTRATION NUMBER: 36,749  
REFERENCE/DOCKET NUMBER: PP-0095-1 CIP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-855-0555  
TELEFAX: 415-845-4166  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 990 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
IMMEDIATE SOURCE:  
LIBRARY: MMLR1D101  
CLONE: 515847  
US-08-688-342-2

## Alignment Scores:

Pred. No.:	3,278-20	Length:	990
Score:	251.00	Matches:	45
Percent Similarity:	60.16%	Conservative:	32
Best Local Similarity:	35.16%	Mismatches:	49
Query Match:	19.03%	Indels:	2
DB:	2	Gaps:	2

US-09-898-554-14 (3-247) x US-08-688-342-2 (1-990)

QY 116 SerGlyProCysProGlnAspTrpLeuTrpHisLysGluAsnCysTyrLeuPheHisGly 135  
Db 285 TCCAGCCCTTGTCTCTCTTAATTTGGATTATATATGAGAAGAGCTGTTATCTATTTCAGCATG 344  
QY 136 ProPhe---GlyTrpGluLysAsnArgGlnThrCysGlnSerLeuGlyGlyGlnLeuLeu 154  
Db 345 TCACCTAAATTCCTGGGATGGAAGATAAAGACAATCTGGCAACTGGCTCTAATCTCTTA 404  
QY 155 GlnIleAsnGlyAlaAspAspLeuThrPheIleLeu---GlnAlaIleSerHisThrThr 173  
Db 405 AAGATAGACAGCTCAATGAATTTGGATTATAGTAAACAAGTCTCTTCCCAACCTGAT 464  
QY 174 SerProPheTrpIleGlyLeuHisArgLysLysProGlyGlnProTrpLeuTrpGluAsn 193  
Db 465 AATTCATTTTGGATAGGCTTTCTCGGCCCCAGACTGAGGTACCATGCTCTGGGAGGAT 524  
QY 194 GlyThrProLeuAsnPheGlnPhePheLysThrArgGlyValSerLeuGlnLeuTyrSer 213  
Db 525 GGATCAACATTTCTCTTCTTAACCTATTTCAGATCAACACACAGCTACCCAGAAACCCA 584  
QY 214 SerSerAsnCysAlaTyrLeuGlnAspGlyAlaValPheAlaGluAsnCysIleLeuIle 233  
Db 585 TCTCAATTTGTTGTTGATGATTCACGTGTCTGAGTCACTTATGACCAACTGTGTAGTGCC 644  
QY 234 AlaPheSerIleCysGlnLysLys 241  
Db 645 TCATATAGTATTGTTGAGAAGAAG 668

## RESULT 8

US-09-113-788-2

; Sequence 2, Application US/09113788

; Patent No. 5969104

; GENERAL INFORMATION:

; APPLICANT: Au-Young, Janice

; APPLICANT: Cocks, Benjamin G.





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; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: 1966
; OTHER INFORMATION: /mod_base= OTHER
; OTHER INFORMATION: /note= "Y = C or T"
US-08-772-440-1

Alignment Scores:
Pred. No.: 2,79e-17 Length: 2298
Score: 231.00 Matches: 50
Percent Similarity: 47.53% Conservative: 27
Best Local Similarity: 30.86% Mismatches: 83
Query Match: 17.51% Indels: 2
DB: 3 Gaps: 2

US-09-898-554-14 (1-247) x US-08-772-440-1 (1-2298)

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Db 392 AAGTGGCTCCTCCAGGCTATCCCAACTACAGAGGTTTCTCAGTCTTGCTTCCT 451
Qy 122 AspTrpLeuTrpHisLysGluAsnCysTrpLeuPhe---HisGlyProPheGlyTrpGlu 140
Db 452 AATTGGATCATGCTGGAAGAGCTGTTACCTATTAGCTTCTCAGGAAATTCCTGGTAT 511
Qy 141 LysAsnArgGlnThrCysGlnSerLeuGlyGlnLeuLeuGlnLeuGlnLeuGlnLeuAlaAsp 160
Db 512 GGAAGTAGAGACACTGCTCCAGCTAGGTCTCATCTACTGAGATAGACAACCTCAAAA 571
Qy 161 AspLeuThrPheIle---LeuGlnAlaIleSerHisThrThrSerProPheTrpIleGly 179
Db 572 GAATTGGATTCAATTGAAGCCAAACATCGTCTCACCGTATTATGCAATTTTGGTAGGC 631
Qy 180 LeuHisArgLysLysProGlyGlnProTrpLeuTrpGluAsnGlyThrProLeuAsnPhe 199
Db 632 CTTTCCCGCAATCAGATGAAGGCCATGGTCTCTGGAGGATGATCAGCATCTTCTCCC 691
Qy 200 GlnPhePheLysThrArgGlyValSerLeuGlnLeuTySerSerSerAsnCysAlaTrp 219
Db 692 AACTCGTTTCAAGTCAGAAATACAGTTCGCCAGGAACTTACTGCACATTTGTATGG 751
Qy 220 LeuGlnAspGlyAlaValPheAlaGluAsnCysIleLeuIleAlaPheSerIleCysGln 239
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Qy 240 LysLys 241
Db 812 AAGGAA 817

RESULT 12
US-09-591-435-9
; Sequence 9, Application US/09591435
; Patent No. 6280953
; GENERAL INFORMATION:
; APPLICANT: MESSIER, WALTER
; APPLICANT: SIKELA, JAMES M
; TITLE OF INVENTION: METHODS TO IDENTIFY POLYNUCLEOTIDE AND POLYPEPTIDE
; TITLE OF INVENTION: SEQUENCES WHICH MAY BE ASSOCIATED WITH PHYSIOLOGICAL
; TITLE OF INVENTION: AND MEDICAL CONDITIONS
; FILE REFERENCE: GENO.200.2
; CURRENT APPLICATION NUMBER: US/09/591,435
; PRIOR FILING DATE: 2000-06-09
; PRIOR APPLICATION NUMBER: 09/591,435
; PRIOR FILING DATE: 2000-06-09
; PRIOR APPLICATION NUMBER: 09/240,915
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: 60/073,263
; PRIOR FILING DATE: 1998-01-30

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; PRIOR APPLICATION NUMBER: 60/098,987
; PRIOR FILING DATE: 1998-09-02
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 9
; LENGTH: 1212
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-591-435-9

Alignment Scores:
Pred. No.: 9.2e-17 Length: 1212
Score: 223.00 Matches: 67
Percent Similarity: 46.90% Conservative: 54
Best Local Similarity: 25.97% Mismatches: 107
Query Match: 16.91% Indels: 30
DB: 3 Gaps: 10

US-09-898-554-14 (1-247) x US-09-591-435-9 (1-1212)

Qy 6 LysMetLysProAlaAsnAspGluProAspGlnLysSer----- 18
Db 385 CGGCTGAAGCTGCAGTGGGTGAGCTTCCAGAGAAATCTAAGCTGCAGGAGATCTACCAG 444
Qy 19 -----CysGlyLysLysProLysGluGlnSerGlnArgGlu 30
Db 445 GAGCTGACCTGGTGAAGCTGCAGTGGGTGAGCTTCCAGAGAAATCTAAGATGCAGGAG 504
Qy 31 LeuLysGlyLysLysAspThrIle-----ThrArgLysLeuAspGluLysSerLys 47
Db 505 ATCTACAGGAGCTGACTCGGCTGAAGGCTGCAGTGGGTGAGCTTCCAGAGAAATCTAAG 564
Qy 48 GluGlnGluGlnLeuGlnMetIleGlnAsnLeuGlnGlnAlaLeuGlnArgAlaAla 67
Db 565 ---CAGCAGGAGATCTACAGGAGCTGACCCGCTGAAGGCTGCAGTGGGTGAGCTTCCA 621
Qy 68 AsnSerSerGluGlnSerGln-----ArgGluLeuLysGlyLysIleAspThrLeuThr 85
Db 622 GAGAAATCTAAGCAGCAGGAGATCTACAGGAGCTGACC---CGGTGAAGGCTGAGTG 678
Qy 86 LeuLysLeuAsnGluLysSerLysGluGlnGluLeuGlnLysAsnGlnAsnLeu 105
Db 679 GGTGAGCTTCCAGAGAAATCTAAG---CAGCAGGAGATCTACAGGAGCTGACCCAGCTG 735
Qy 106 GlnGluAlaLeuGlnArgAlaAlaAsnPheSerGlyProCysProGlnAspTrpLeuTrp 125
Db 736 AAGGCTGCAGTGAAGCCCTGTGCCAC-----CCCTGTCCCTGGGAATGCACATTC 786
Qy 126 HisLysGluAsnCysTrp---LeuPheHisGlyProPheGlyTrpGluLysAsnArgGln 144
Db 787 TTCAGGAACTGTTTACTTCTCATCTTAATCCAGCGGNACTGGCAGCACTCCATCACC 846
Qy 145 ThrCysGlnSerLeuGlyGlnLeuLeuGlnIleAsnGlyAlaAspLeuThrPhe 164
Db 847 GCCTGCAAGAGAGTGGGGCCAGCTCGTGAATCAAAAGTCTGAGGAGCAGAACTTC 906
Qy 165 IleLeuGlnAlaIleSerHisThrThrSerProPheTrpIleGlyLeuHisArgLysLys 184
Db 907 CTACAGCTGCAGTCTTCCAGAAAGTAAACCGCTTCCACCTGGATGGGACTTTCAGATCTAAAT 966
Qy 185 ProGlyGlnProTrpLeuTrpGluAsnGlyThrProLeu-----AsnPheGlnPhePhe 202
Db 967 CAGAGGACGCTGGCAATGGGTGGAGCGGTCACTCTGTGGCCAGCTTCAAGCAGTAT 1026
Qy 203 LysThrArgGlyValSerLeuGlnLeuTySerSerSerAsnCysAlaTrpLeuGlnAsp 222
Db 1027 TGGAAACAGAGAGAGCCCAACAGT---GGGAGGAAGACTGCGCGGAATTTAGTGGC 1083
Qy 223 GlyAlaValPheAlaGluAsnCysIleLeuIleAlaPheSerIleCysGlnLys 240
Db 1084 AATGGCTGGAAACGACGACAAATGTAATCTTGGCAAAATTTCTGGATCTGCAAAAAG 1137

RESULT 13

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US-09-591-435-11
; Sequence 11, Application US/09591435
; Patent No. 6280953
; GENERAL INFORMATION:
; APPLICANT: MESSIER, WALTER
; APPLICANT: SIKELA, JAMES M
; TITLE OF INVENTION: METHODS TO IDENTIFY POLYNUCLEOTIDE AND POLYPEPTIDE
; TITLE OF INVENTION: SEQUENCES WHICH MAY BE ASSOCIATED WITH PHYSIOLOGICAL
; TITLE OF INVENTION: AND MEDICAL CONDITIONS
; FILE REFERENCE: GENO.200.2
; CURRENT APPLICATION NUMBER: US/09/591,435
; CURRENT FILING DATE: 2000-06-09
; PRIOR APPLICATION NUMBER: 09/591,435
; PRIOR FILING DATE: 2000-06-09
; PRIOR APPLICATION NUMBER: 09/240,915
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: 60/073,263
; PRIOR FILING DATE: 1998-01-30
; PRIOR APPLICATION NUMBER: 60/098,987
; PRIOR FILING DATE: 1998-09-02
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 1212
; TYPE: DNA
; ORGANISM: Gorilla gorilla
US-09-591-435-11

Alignment Scores:
Pred. No.: 9,2e-17 Length: 1212
Score: 223.00 Matches: 68
Percent Similarity: 45.59% Conservative: 51
Best Local Similarity: 26.05% Mismatches: 106
Query Match: 16.91% Indels: 36
DB: 3 Gaps: 10

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QY 6 LysMetLysProAlaAsnAspGluProAspGlnLysSer----- 18
DB 385 CAGCTGAAGGCTGCAGTGGTGGAGCTTCCAGAGAAATCTAAGCAGCAGGAGATCTACCAG 444
QY 19 -----CysGlyLysProLysLeuGluSerGlnArgGlu 30
DB 445 GAGCTGACCGGCTGAAGGCTGCAGTGGTGGAGCTTCCAGAGAAATCTAAGCAGCAGGAG 504
QY 31 LeuLysGlyLysLeuAspThrLe-----ThrArgLysLeuAspGluLysSerLys 47
DB 505 ATCTACCAGGAGCTGACCGCGCTGAAGGCTGCAGTGGTGGAGCTTCCAGAGAAATCTAAG 564
QY 48 GluGlnGluLeuLeuGlnMetIleGlnAsnLeuGlnAlaLeuGlnArgAlaAla 67
DB 565 ---CAGCAGGAGATCTACCAGGAGCTGAGCCAGCTGAAGGCTGCAGTGGTGGAGCTTCCA 621
QY 68 AsnSerSerGluGluSerGln-----ArgGluLeuLysGlyLysLeuAsp 82
DB 622 GAGAAATCTAAGCAGCAGGAGATCTACCAGGAGCTGAGCCAGCTGAAGGCTGCAGTGGGT 681
QY 83 ThrLeuThrLeuLysLeuAsnGluLysSerLysGluGlnGluLeuLeuGlnLysAsn 102
DB 682 -----GAGCTTCCAGAGAAATCTAAG---CAGCAGGAGATCTACCAGGAGCTG 726
QY 103 GlnAsnLeuGlnGluAlaLeuGlnArgAlaAlaAsnPheSerGlyProCysProGlnAsp 122
DB 727 ACCAGCTGAAGGCTCAGTGGAGCCCTGTGCCGC-----CGCTGCCCTGGGAA 777
QY 123 TrpLeuThrPheHisGluAsnCysTyr---LeuPheHisGlyProPheGlyTrpGluLys 141
DB 778 TGGACATCTTCCAGAGAAATCTTACTTCACTCTAATCTCCAGCGGAACTGGCAGCAG 837
QY 142 AsnArgGlnThrCysGlnSerLeuGlyGlnLeuLeuGlnIleAsnGlyAlaAsp 161
DB 838 TCCATCACCCTGCCAAGAGTGGGGGCCAGCTCTGCTAATCAAAAGTCTGTAGGAG 897

US-09-517-605-1
; Sequence 1, Application US/09517605
; Patent No. 6391567
; GENERAL INFORMATION:
; APPLICANT: Littman, Dan R.
; APPLICANT: Kwon, Douglas S.
; APPLICANT: van Kooyk, Yvette
; APPLICANT: Geijtenbeck, theo
; TITLE OF INVENTION: METHODS OF USING A FACILITATOR OF RETROVIRAL ENTRY INTO
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: 1049-1-017
; CURRENT APPLICATION NUMBER: US/09/517,605
; CURRENT FILING DATE: 2000-03-02
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 1312
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (42)..(1253)
US-09-517-605-1

Alignment Scores:
Pred. No.: 1,04e-16 Length: 1312
Score: 223.00 Matches: 67
Percent Similarity: 46.90% Conservative: 54
Best Local Similarity: 25.97% Mismatches: 107
Query Match: 16.91% Indels: 30
DB: 4 Gaps: 10

US-09-898-554-14 (1-247) x US-09-517-605-1 (1-1312)
QY 6 LysMetLysProAlaAsnAspGluProAspGlnLysSer----- 18
DB 426 CGGCTGAAGGCTGCAGTGGTGGAGCTTCCAGAGAAATCTAAGCTCAGGAGATCTACCAG 485
QY 19 -----CysGlyLysProLysGluGluSerGlnArgGlu 30
DB 486 GAGCTGACCTGGCTGAAGGCTGCAGTGGTGGAGCTTCCAGAGAAATCTAAGATGCGAGG 545
QY 31 LeuLysGlyLysLeuAspThrLe-----ThrArgLysLeuAspGluLysSerLys 47
DB 546 ATCTACCAGGAGCTGAGCTCGGCTGAAGGCTGAGCTTCCAGAGAAATCTAAG 605
QY 48 GluGlnGluLeuLeuGlnMetIleGlnAsnLeuGlnAlaLeuGlnArgAlaAla 67
DB 606 ---CAGCAGGAGATCTACCAGGAGCTGAGCCAGCTGAGGCTGAGGCTGAGCTTCCA 662
QY 68 AsnSerSerGluGluSerGln-----ArgGluLeuLysGlyLysLeuAspThrLeuThr 85
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Db 663 GAGAAATCTAACGACGAGATCTACGAGAGCTGACC---CGCTGAAGGCTGCACTG 719
Qy 86 LeuLysLeuAsnGluLysSerLysGluGlnGluGluLeuLysAsnGlnAsnLeu 105
Db 720 GGTGAGCTTCCAGAGAAATCTAAG---CAGCAGGAGATCTACGAGAGCTGACCCAGCTG 776
Qy 106 GlnGluAlaLeuGlnArgAlaAlaAsnPheSerGlyProCysProGlnAspTrpLeuTrp 125
Db 777 AAGGCTGAGTGAAGGCTGTGCCAC-----CCCTGTCCCTGGGAATGGACATTC 827
Qy 126 HisLysGluAsnCysTyr---LeuPheHisGlyProPheGlyTrpGluLysAsnArgGln 144
Db 828 TTCCAAGGAAACTGTACTTCACTTAAGTCTTAACCTCCAGCGGAAGTGGCAGACTCCATCACC 887
Qy 145 ThrCysGlnSerLeuGlyGlnLeuLysGlnLeuGlnLeuGlnLeuGlnLeuGlnLeu 164
Db 888 GCCTGCAAGAAGATGGGGGCCCGACGCTCGTCTGAATCAAAAGTGTGAGGAGCAGAACTTC 947
Qy 165 IleLeuGlnAlaIleSerHisThrThrSerProPheTrpPheGlyLeuHisArgLysLys 184
Db 948 CTACAGCTGCAGTCTTCAGAGATTAACCGCTTCACTTGGATGGGACTTTCAGATCTAAAT 1007
Qy 185 ProGlyGlnProTrpLeuTrpGluAsnGlyThrProLeu-----AsnPheGlnPhePhe 202
Db 1008 CAGGAAGGCACGTGGCAATGGGTGGAGCGCTCACCTCTGTGGCCAGCTTCAAGCAGTAT 1067
Qy 203 LysThrArgGlyValSerLeuGlnLeuTrpSerSerSerSerSerSerSerSerSerSer 222
Db 1068 TGGAAACAGGAGAGAGCCCAACACGTT---GGGGAGGAGAGACTGCGCGGAATTTAGTGGC 1124
Qy .223 GlyAlaValPheAlaGluAsnCysIleLeuIleAlaPheSerIleCysGlnLys 240
Db 1125 AATGCTGGAACGACGACAAATGTAATCTTGCCAAATTTCTGGATCTGCAAAAG 1178

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RESULT 15

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US-09-055-095-2
; Sequence 2, Application US/09055095
; Patent No. 5945308
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Patterson, Chandra
; APPLICANT: Corley, Neil C.
; APPLICANT: Sather, Susan
; TITLE OF INVENTION: HUMAN OXIDIZED LDL RECEPTOR
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Dr.
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/055,095
; FILING DATE: Filed Herewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0500 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-845-4166
; INFORMATION FOR SEQ ID NO: 2:

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; SEQUENCE CHARACTERISTICS:
; LENGTH: 1740 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: LUNGNOT09
; CLONE: 1355922
US-09-055-095-2

Alignment Scores:
Pred. No.: 2,77e-16      Length: 1740
Score: 221.00           Matches: 52
Percent Similarity: 48.31% Conservative: 34
Best Local Similarity: 29.21% Mismatches: 72
Query Match: 16.76%      Indels: 20
DB: 2                     Gaps: 6

US-09-898-554-14 (1-247) x US-09-055-095-2 (1-1740)

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Qy 101 LysAsnGlnAsnLeuGlnGluAlaLeuGlnArgAlaAla----- 113
Db 353 CAGAAATAAAGCTTGCAGGAAGTCTGCAGCATGTGCTGAAAAAATCTGTCGTGAGCTG 412
Qy 114 ---AsnPheSerGly-----ProCysProGlnAspTrpLeuTrpHisLys 127
Db 413 TATAACAAGAGCTGGACACACAGGTGAGCCCTTGTACAGAACAAATGGAATGGCATGGA 472
Qy 128 GluAsnCysTrpLeuPheHis---GlyProPheGlyTrpGluLysAsnArgGlnThrCys 146
Db 473 GACAATTGCTTACAGTTCTATAAAGACAGCAAAAGTTGGAGGAGCTGTAATAATTTCTGC 532
Qy 147 GlnSerLeuGlyGlyGlnLeuLeuGlnIleAsnGlyAlaAspAspLeuThrPheIleLeu 166
Db 533 CTTAGTCAAAACTCTACCATGCTGAGATAAACAACAAGACACCTGGAAATTTGCCGCG 592
Qy 167 ---GlnAlaIleSerHisThrThrSerProPheTrpIleGlyLeuHisArgLysLysPro 185
Db 593 TCTCAGAGCTACTCTGAGTTTTTCTACTCTTATTGGACAGGGCTTTTGGCCCTGACAGT 652
Qy 186 GlyGlnProTrpLeuTrpGluAsnGlyThrProLeuAsnPheGlnPhePheLysThrArg 205
Db 653 GGCAAGGCTGGCTGTGGATGGATGAACCCCTTTCATTTCTGAATGTTCCAT----- 706
Qy 206 GlyValSerLeuGlnLeuTrpSer-----SerSerAsnCysAlaTyrLeuGlnAspGly 223
Db 707 ---ATTATAATAGATGTCCACCGCCCAAGAGAGCAGAGACTGTGTGGCCATCTCTTAATGG 763
Qy 224 AlaValPheAlaGluAsnCysIleLeuIleAlaPheSerIleCysGlnLysLys 241
Db 764 ATGATCTTCTCAAGGAGCTGCAAAAGAAATTCAGACGGTTGTGTCTGTGAGAGAAG 817

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Job time : 71 secs



GenCore version 5.1.6  
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OM protein - nucleic search, using frame\_plus\_p2n model

Run on: December 19, 2003, 00:30:56 ; Search time 323 Seconds

(without alignments)  
2548.156 Million cell updates/sec

Title: US-09-898-554-14

Perfect score: 1319

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Ygapop 10.0 , Ygapext 0.5  
Fgapop 6.0 , Fgapext 7.0  
Delop 6.0 , Delext 7.0

Searched: 2211978 seqs, 1666101734 residues

Total number of hits satisfying chosen parameters: 4423956

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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-TRANS=human40.cdi -LIST=45 -DOALIGN=200 -THR SCORE=pct -THR MAX=100  
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Database : Published Applications NA:

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Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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1	1319	100.0	744	11	US-09-898-554-13	Sequence 13, Appl
2	1241	94.1	1092	11	US-09-898-554-19	Sequence 19, Appl
3	1241	94.1	3763	10	US-09-870-759-141	Sequence 141, Appl
4	1241	94.1	3763	13	US-09-751-708A-141	Sequence 141, Appl
5	1211.5	91.8	1192	11	US-09-898-554-12	Sequence 12, Appl
6	1138	86.3	1092	11	US-09-898-554-11	Sequence 11, Appl
7	1057	80.1	606	11	US-09-898-554-15	Sequence 15, Appl
8	1016	77.0	721	11	US-09-898-554-28	Sequence 28, Appl
9	972	73.7	3750	10	US-09-917-800A-474	Sequence 474, Appl
10	972	73.7	3750	13	US-10-220-511-14	Sequence 14, Appl
11	812	61.6	468	11	US-09-898-554-17	Sequence 17, Appl
12	723	54.8	621	11	US-09-898-554-25	Sequence 25, Appl
13	693	52.5	773	11	US-09-898-554-21	Sequence 21, Appl
14	660.5	50.1	712	11	US-09-898-554-27	Sequence 27, Appl
15	643	48.7	1514	13	US-10-220-511-10	Sequence 10, Appl
16	639	48.4	1578	13	US-10-220-511-12	Sequence 12, Appl
17	637	48.3	2468	13	US-10-220-511-1	Sequence 1, Appl
18	637	48.3	2473	15	US-10-198-846-13722	Sequence 13722, A
19	596	45.2	1879	13	US-10-220-511-3	Sequence 3, Appl
20	547.5	41.5	736	15	US-10-198-846-9641	Sequence 9641, Ap
21	466.5	35.4	2350	14	US-10-114-893-47	Sequence 47, Appl
22	390	29.6	495	11	US-09-898-554-23	Sequence 23, Appl
23	258	19.6	1018	13	US-10-270-470-5	Sequence 5, Appl
24	251	19.0	880	13	US-10-270-470-7	Sequence 7, Appl
25	251	19.0	2349	15	US-10-102-524-1760	Sequence 1760, Ap
26	251	19.0	2354	15	US-10-102-524-1749	Sequence 1749, Ap
27	251	19.0	2478	10	US-09-978-295A-476	Sequence 476, App
28	251	19.0	2478	10	US-09-978-697-476	Sequence 476, App
29	251	19.0	2478	10	US-09-978-192A-476	Sequence 476, App
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32	251	19.0	2478	11	US-09-978-608A-476	Sequence 476, App
33	251	19.0	2478	11	US-09-978-585A-476	Sequence 476, App
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36	251	19.0	2478	11	US-09-978-564A-476	Sequence 476, App
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38	251	19.0	2478	11	US-09-981-915A-476	Sequence 476, App
39	251	19.0	2478	11	US-09-978-824-476	Sequence 476, App
40	251	19.0	2478	11	US-09-918-585A-476	Sequence 476, App
41	251	19.0	2478	11	US-09-978-423A-476	Sequence 476, App
42	251	19.0	2478	11	US-09-978-193A-476	Sequence 476, App
43	251	19.0	2478	11	US-09-999-830A-476	Sequence 476, App
44	251	19.0	2478	11	US-09-978-757A-476	Sequence 476, App
45	251	19.0	2478	11	US-09-978-187B-476	Sequence 476, App

#### ALIGNMENTS

#### RESULT 1

US-09-898-554-13  
; Sequence 13, Application US/09898554  
; Publication No. US20030068673A1  
; GENERAL INFORMATION:  
; APPLICANT: TALL, ALAN R  
; APPLICANT: WELCH, CARRIE L  
; APPLICANT: LIANG, CHIEN-PING  
; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 (ATHSQ1) AND ATHEI  
; FILE REFERENCE: 0575/84077  
; CURRENT FILING DATE: 2001-07-02  
; NUMBER OF SEQ ID NOS: 40  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 13  
; LENGTH: 744  
; TYPE: DNA  
; ORGANISM: Murinae gen. sp.  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)..(744)  
; OTHER INFORMATION:  
; NAME/KEY: misc\_feature

OTHER INFORMATION: Isoform 7  
US-09-898-554-13

Alignment Scores:  
Pred. No.: 8,65e-149 Length: 744  
Score: 1319.00 Matches: 247  
Percent Similarity: 100.00% Conservative: 0  
Best Local Similarity: 100.00% Mismatches: 0  
Query Match: 100.00% Indels: 0  
DB: 11 Gaps: 0

US-09-898-554-14 (1-247) x US-09-898-554-13 (1-744)

Qy	1	MetThrPheAspAspLysMetLysProAlaAsnAspGluProAspGlnLysSerCysGly	20
Db	1	ATGACTTTTGATGACAAAGCTGCGAATGACGAGCTGATCAGAAAGTCATGTGGC	60
Qy	21	LysLysProLysGluGluSerGlnArgLysGlyLysIleAspThrIleThrArg	40
Db	61	AAGAAGCTTAAGAGGAGTCCAGAGAGAACTCAAGGGAAGATAGACACCATCACCGG	120
Qy	41	LysLeuAspGluLysSerLysGlnGlnGluLysLeuGlnMetIleGlnAsnLeuGln	60
Db	121	AAGCTGGACGAGAAATCCAAAGAGCAGGAGGCTTCTGCAGATGATTCAGAACCTCAA	180
Qy	61	GluAlaLeuGlnArgAlaAlaAsnSerSerGluGluSerGlnArgGluLeuLysGlyLys	80
Db	181	GAAGCCCTGCAGAGAGCTGCAAACTCTTCAGAGGAGTCCAGAGAGAACTCAAGGGAAG	240
Qy	81	IleAspThrLeuThrLeuLysLeuAsnGluLysSerLysGluGlnGluLysLeuGln	100
Db	241	ATAGACACCTTACCTTGAAGCTGACGAGAAATCCAAAGAGCAGGAGGAGCTTCTACAG	300
Qy	101	LysAsnGlnAsnLeuGlnGlnAlaLeuGlnArgAlaAlaAsnPheSerGlyProCysPro	120
Db	301	AAGAATCAGAACCTCCAAAGAGCCTGCAAGAGAGCTGCAAACTTTTCAGGTCTTGTCCA	360
Qy	121	GlnAspTrpLeuTrpHisLysGluAsnCysTrpLeuPheHisGlyProPheGlyTrpGlu	140
Db	361	CAAGACTGGCTGTGCAATAAGAAACCTGTACCTCTTCCATGGGCCCTTTGGCTGGGA	420
Qy	141	LysAsnArgGlnThrCysGlnSerLeuGlyGlnLeuLeuGlnIleAsnGlyAlaAsp	160
Db	421	AAAAACCGCAGACCTGCCAATCTTTGGTGGCCAGTTACTACAAATTAATGGTGAGAT	480
Qy	161	AspLeuThrPheIleLeuGlnAlaIleSerHisThrThrSerProPheTrpIleGlyLeu	180
Db	481	GATCTGACATTCATCTTCAAGCAATTTCCCATACCATCCCATTCCTGGATTGGATTG	540
Qy	181	HisArgLysLysProGlyGlnProTrpLeuTrpGluAsnGlyThrProLeuAsnPheGln	200
Db	541	CATCGGAAGAGCCTGGCCACCATGGGTATGGGAGATGAATCCCTTTGAATTTTCAA	600
Qy	201	PhePheLysThrArgGlyValSerLeuGlnLeuTyrsSerSerAsnCysAlaTrpLeu	220
Db	601	TTCTTTAGACAGCGGGCTTCTTTACAGTATATTTCATCAAGCAACTGTGTACACTT	660
Qy	221	GlnAspGlyAlaValAlaGluAsnCysIleLeuIleAlaPheSerIleCysGlnLys	240
Db	661	CAAGACGAGAGTGTCTTCGCTGAAACCTGCATCTTCAATTGCATTGAGCATATGTGAGA	720
Qy	241	LysThrAsnHisLeuGlnIle	247
Db	721	AAGACAAATCATTTGCAAAAT	741

## RESULT 2

US-09-898-554-19  
; Sequence 19, Application US/09898554  
; Publication No. US20030068673A1  
; GENERAL INFORMATION:  
; APPLICANT: TALL, ALAN R  
; APPLICANT: WELCH, CARRIE L  
; APPLICANT: LIANG, CHIEN-PING

TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 (ATHSQ1) AND ATHER  
; TITLE OF INVENTION: SUSCEPTIBILITY GENE LOCUS 2 (ATHSQ2)  
; FILE REFERENCE: 0575/64077  
; CURRENT APPLICATION NUMBER: US/09/898,554  
; CURRENT FILING DATE: 2001-07-02  
; NUMBER OF SEQ ID NOS: 40  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 19  
; LENGTH: 1092  
; TYPE: DNA  
; ORGANISM: Murinae gen. sp.  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)-(1092)  
; OTHER INFORMATION:  
; NAME/KEY: misc\_Feature  
; OTHER INFORMATION: Isoform 1  
US-09-898-554-19

Alignment Scores:  
Pred. No.: 3,59e-139 Length: 1092  
Score: 1241.00 Matches: 245  
Percent Similarity: 67.49% Conservative: 0  
Best Local Similarity: 67.49% Mismatches: 2  
Query Match: 94.09% Indels: 116  
DB: 11 Gaps: 1

US-09-898-554-14 (1-247) x US-09-898-554-19 (1-1092)

Qy	1	MetThrPheAspAspLysMetLysProAlaAsnAspGluProAspGlnLysSerCysGly	20
Db	1	ATGACTTTTGATGACAAAGCTGCGAATGACGAGCTGATCAGAAAGTCATGTGGC	60
Qy	21	LysLysProLys	24
Db	61	AAGAAGCTTAAGAGTCTGCATTTGCTTTCTTCCCATGGTGGTTCCTGCTGTATGACT	120
Qy	24	-----	24
Db	121	CTGGTCATCTCTGCTGCTGGTGTGTGTCAGTGACCCCTTATTGTACAGTGGACACAATTACGC	180
Qy	24	-----	24
Db	181	CAGGTATCTGACCTCTTAAACAATAATACCAAGCGAACCTTACTCAGCAGGATCGTATCCTG	240
Qy	24	-----	24
Db	241	GAAGGCGAGATGTTAGCCCGCAGCAGAGGCGAGAAAAACATTTCA CAGGAATCAAAGAAGGAA	300
Qy	24	-----	24
Db	301	CTGAAGGAAGATAGACACCCCTCACCAGAGCTGAACGAGAAATCCAAAGAGCAGGAG	360
Qy	24	-----	24
Db	361	GAGCTTCTACAGAAGAATCAGAACCTTCAAGAAGCCCTGCAAGAAGCTGCAAACTCTTCA	420
Qy	25	GluGluSerGlnArgGluLeuLysGlyLysIleAspThrIleThrArgLysLeuAspGlu	44
Db	421	GAGGAGTCCAGAGAGAACTCAAGGGAAGATAGACCACTACCCGGAAGCTGGACGAG	480
Qy	45	LysSerLysGluGlnGluLeuLeuGlnMetIleGlnAsnLeuGlnGluAlaLeuGln	64
Db	481	AAATCCAAAGCAGGAGGAGCTTCTGCAGATGATTCAGAACCTCCAAAGAGCCCTGCAG	540
Qy	65	ArgAlaAlaAsnSerSerGluGluSerGlnArgGluLeuLysGlyLysIleAspThrLeu	84
Db	541	AGAGCTGCAACTCTTCAGAGGAGTCCAGAGAGAACTCAAGGGAAGATAGACACCTC	600
Qy	85	ThrLeuLysLeuAsnGlnLysSerLysGluGlnGluLeuLeuGlnLysAsnGlnAsn	104
Db	601	ACCTTGAAGCTGAACGAGAAATCCAAAGAGCAGGAGGAGCTTCTTACAGAAGAATCAGAA	660

QY 105 LeuGlnGluAlaLeuGlnArgAlaAlaAsnPheSerGlyProCysProGlnAspTrpLeu 124  
DB 661 CTCCAAGAGCCCTGCAAGAGCTGCAAACTTTTCAAGTCTTGTCCACAAGACTGGCTC 720  
QY 125 TrpHisLysGluAsnCysTrpLeuPheHisGlyPropheGlyTrpGluLysAsnArgGln 144  
DB 721 TGGCATAAAGAAACTGTTACCTCTTCCATGGGCCCTTTAGCTGGGAAAAAACCGGCAG 780  
QY 145 ThrCysGlnSerLeuGlyGlnLeuLeuGlnIleAsnGlyAlaAspAspLeuThrPhe 164  
DB 781 ACTGCCAATCTTGGGTGGCCAGTTACTACAAATTAATGGTGCAGATGATCTGACATTC 840  
QY 165 IleLeuGlnAlaIleSerHisThrThrSerProPheTrpIleGlyLeuHisArgLysLys 184  
DB 841 ATCTTACAAGCAATTTCCCATACCACTCCCATCTTGGATTGGATTGCAATCGGAAGAAG 900  
QY 185 ProGlyGlnProTrpLeuTrpGluAsnGlyThrProLeuAsnPheGlnPhePheLysThr 204  
DB 901 CTGGCCCAACCATGGCTATGGGAGAAATGGAATCTCTTGAATTTTCAATCTTTTAAGACC 960  
QY 205 ArgGlyValSerLeuGlnLeuTrpSerSerSerAsnCysAlaTrpLeuGlnAspGlyAla 224  
DB 961 AGGGGGGTTCTTTACAGCTATATTATCATCAGGCAACTGTGCATACCTTCAAGACGGAGCT 1020  
QY 225 ValPheAlaGluAsnCysIleLeuIleAlaPheSerIleCysGlnLysLysThrAsnHis 244  
DB 1021 GTGTTTCGCTGAAACTGCATTTCTAATTGCATTTCAGCATATGTGAGAAAGACAAATCAT 1080  
QY 245 LeuGlnIle 247  
DB 1081 TTGCAAAATT 1089

## RESULT 3.

US-09-870-759-141  
; Sequence 141, Application US/09870759  
; Patent No. US20020177551A1  
; GENERAL INFORMATION:  
; APPLICANT: TERMAN, David S  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE  
; FILE REFERENCE: 870759  
; CURRENT APPLICATION NUMBER: US/09/870, 759  
; CURRENT FILING DATE: 2002-01-14  
; PRIOR APPLICATION NUMBER: US 60/208,128  
; PRIOR FILING DATE: 2000-05-30  
; NUMBER OF SEQ ID NOS: 166  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 141  
; LENGTH: 3763  
; TYPE: DNA  
; ORGANISM: Mus musculus  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (48)..(1139)  
; OTHER INFORMATION:  
US-09-870-759-141

Alignment Scores:  
Pred. No.: 2,17e-138 Length: 3763  
Score: 1241.00 Matches: 245  
Percent Similarity: 67.43% Conservative: 0  
Best Local Similarity: 67.49% Mismatches: 2  
Query Match: 94.09% Indels: 116  
DB: 10 Gaps: 1

US-09-898-554-14 (1-247) x US-09-870-759-141 (1-3763)

QY 1 MetThrPheAspLysMetLysProAlaAsnAspGluProAspGlnLysSerCysGly 20  
DB 48 ATGACTTTTGTATGACAAGATGAAGCTGCGAATGACGAGCTGATCAGAAATCATGTGTC 107  
QY 21 LysLysProLys----- 24  
DB 108 AAGAAGCCTAAAGGCTGCAATTTGCTTCTCCCAATGGTGGTTCCTCGTCTGCTATGACT 167

## RESULT 4

US-09-751-708A-141  
; Sequence 141, Application US/09751708A  
; Publication No. US2003015113A1

QY 24 ----- 24  
DB 168 CTGGTCATCTCTGCTGGTGTGTGTCAGTGAGCCCTTATTGTACAGTGGACACAAATTACGC 227  
QY 24 ----- 24  
DB 228 CAGGTATCTGACCTCTTAAAAACAATACCAAGCGAACTTACTACTCAGCAGGATCGTATCCTG 287  
QY 24 ----- 24  
DB 288 GAAGGGCAGATGTTAGCCACAGAGGACAGAAAACGCTTCACAGGAATCAAGAGAAAGAA 347  
QY 24 ----- 24  
DB 348 CTGAAAGGAAAGATAGACACCTCCACCAGAAGCTGAATGAGAAATCCAAAGAGCAGCAG 407  
QY 24 ----- 24  
DB 408 GAGCTTCTACAGAGAAATCAGAACCTCCAAAGAACCTCGCAAGAGCTGCAAACTCTTTCA 467  
QY 25 GluGluSerGlnArgGluLeuLysGlyLysIleAspThrIleThrArgLysLeuAspGlu 44  
DB 468 GAGGAGTCCCAGAGAGAACTCAGGGAAGAATAGACACCATCACCCCGAAGCTGGACGAG 527  
QY 45 LysSerLysGluGlnGluLeuLeuGlnMetIleGlnAsnLeuGlnGluAlaLeuGln 64  
DB 528 AAATCCAAAGAGCAGGAGGAGCTTCTGCAGATGATTCAGAACCTCCAAAGAACCTCGCAG 587  
QY 65 ArgAlaAlaAsnSerSerGluSerGlnArgGluLeuLysGlyLysIleAspThrLeu 84  
DB 588 AGAGCTGCAAACTCTTTCAGAGAGTCCACAGAGAACTCAAGGGAAAGATAGACACCTC 647  
QY 85 ThrLeuLysLeuAsnGluLysSerLysGluGlnGluLeuLeuGlnLysAsnGlnAsn 104  
DB 648 ACCTTGAAGCTGAACGAGAAATCCAAAGAGCAGGAGGAGCTTCTACAGAAAGATCAGAAC 707  
QY 105 LeuGlnGluAlaLeuGlnArgAlaAlaAsnPheSerGlyProCysProGlnAspTrpLeu 124  
DB 708 CTCCAAGAGAGCCCTGCAAGAGAGCTGCAAACTTTTCAGCTCCTTGTCCACAAGACTGGCTC 767  
QY 125 TrpHisLysGluAsnCysTrpLeuPheHisGlyPropheGlyTrpGluLysAsnArgGln 144  
DB 768 TGGCATAAAGAAACTGTTACCTCTTCCATGGGCCCTTTAGCTGGGAAAAAACCGGCAG 827  
QY 145 ThrCysGlnSerLeuGlyGlnLeuLeuGlnIleAsnGlyAlaAspAspLeuThrPhe 164  
DB 828 ACCTGCCAATCTTTGGGTGGCCAGTTACTACAAATTAATGGTGCAGATGATTTGACATTC 887  
QY 165 IleLeuGlnAlaIleSerHisThrThrSerProPheTrpIleGlyLeuHisArgLysLys 184  
DB 888 ATCTTACAAGCAATTTCCCATACCACTCCCGTCTCGGATTTGATTTGATCGGAAGAAG 947  
QY 185 ProGlyGlnProTrpLeuTrpGluAsnGlyThrProLeuAsnPheGlnPhePheLysThr 204  
DB 948 CTGGCCCAACCATGGCTATGGGAGAAATGGAATCTCTTGAATTTTCAATCTTTTAAGACC 1007  
QY 205 ArgGlyValSerLeuGlnLeuTrpSerSerSerAsnCysAlaTrpLeuGlnAspGlyAla 224  
DB 1008 AGGGGGGTTCTTTTACAGCTATATTATCATCAGGCAACTGTGTCATACCTTCAAGACGGAGCT 1067  
QY 225 ValPheAlaGluAsnCysIleLeuIleAlaPheSerIleCysGlnLysLysThrAsnHis 244  
DB 1068 GTGTTTCGCTGAAACTGCATTTCTAATTGCATTTCAGCATATGTGAGAAAGACAAATCAT 1127  
QY 245 LeuGlnIle 247  
DB 1128 TTGCAAAATT 1136

**: GENERAL INFORMATION:**

```

1 1. APPLICANT: TERNAN, David S
2 2. INVENTOR: TERNAN, David S
3 3. TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATMENT OF NEOPLASTIC DISEASE
4 4. FILE REFERENCE: 751708
5 5. CURRENT APPLICATION NUMBER: US/09/751,708A
6 6. CURRENT FILING DATE: 2002-10-15
7 7. PRIOR APPLICATION NUMBER: US 60/173,371
8 8. PRIOR FILING DATE: 1999-12-28
9 9. NUMBER OF SEQ ID NOS: 166
10 10. SOFTWARE: PatentIn version 3.1
11 11. SEQ ID NO 141
12 12. LENGTH: 3763
13 13. TYPE: DNA
14 14. ORGANISM: Mus musculus
15 15. FEATURE:
16 16. NAME/KEY: CDS
17 17. LOCATION: (48)..(1139)
18 18. OTHER INFORMATION:
19 19. US-09-751-708A-141

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Alignment Scores:

2.17e-138	Length:	3763
Pred. No.:	Matches:	245
Score:	1241.00	
Percent Similarity:	67.49%	Conservative: 0
Best Local Similarity:	67.49%	Mismatches: 2
Query Match:	94.09%	Indels: 116
DB:	13	Gaps: 1

US-09-898-554-14 (1-247) x US-09-751-708A-141 (1-3763)

Qy	20	1	MetThrPheAspAspLysMetLysProAlaIenAspGluProAspGlnLysSerCysGly	20
Db	220	48	ATGACTTTTGTGATCAAGATGAAGCTCGCAATGACGAGCCTGATCAGAAGTCATGTGGC	107
Qy	24	21	LysLysProLys-----	24
Db	167	108	AGAAGCCTAAAGGCTGCAATTGCTTCTCCCTCCCATGGTGGTTCCTGCTGCTATGACT	167
Qy	24	24	-----	24
Db	227	168	CTGGTCATCCTCTGCTGCTGTTGTTCAGTGCACCTTATTGTACAGTGGACACAATTACGC	227
Qy	24	24	-----	24
Db	287	228	CAGGTATCTGACCTCTTAAACAATACCAAGGAAACCTTTACTCAGAGGATCGTATCCTG	287
Qy	24	24	-----	24
Db	347	288	GAAGGCGAGATGTTAGCCCGCAGAGAAGCGAAGCGCTTCACAGGAATCAAGAAGGAA	347
Qy	24	24	-----	24
Db	407	348	CTGAAAGGAAAGATAGACACCTCACCAGAGAGCTGAATGAGAAATCCAAAGACGAGAG	407
Qy	24	24	-----	24
Db	467	408	GAGCTTCTACAGAAGAATCAGAACCTCCAAGAGGCCCTGCAAGAGCTGCAAACTCTTCA	467
Qy	44	25	GluGluSerGlnArgGluLeuLysGlyLysIleAspThrIleThrArgLysLeuAspGlu	44
Db	527	468	GAGGAGTCCACAGAGAACTCAAGGGAAGATAGACACCATCACCCGGAAGCTGGACGAG	527
Qy	64	45	LysSerLysGluGlnGluLeuLeuGlnMetIleGlnAsnLeuGlnAlaLeuGln	64
Db	587	528	AAATCCAAAGACGAGGAGGAGCTTCGAGATGATTGAGAACCTCCAAGAGGCCCTGCAG	587
Qy	84	65	ArgAlaAlaAsnSerSerGluGluSerGlnArgGluLeuLysGlyLysIleAspThrLeu	84
Db	647	588	AGAGCTGCAAATCTTTCAGAGAGTCCACAGAGAGAACTCAAGGGAAAGATAGACACCTC	647
Qy	104	85	ThrLeuLysLeuAsnGluLysSerLysGluGlnGluLeuLeuLeuGlnLysAsnGlnAsn	104
Db	707	648	ACCTTGAAGCTGAACGAGAAATCCAAAGACGAGGAGGAGCTTCTACAGAAGAATCAGAAC	707

## RESULT 5

US-09-898-554-12 ; Sequence 12, Application US/09898554  
; Publication No. US20030068673A1

```

* OTHER INFORMATION:
* APPLICANT: TALLI, ALAN R
* APPLICANT: WELCH, CARRIE L
* APPLICANT: LIANG, CHIEH-PING
* TITLE OF INVENTION: ATHEROSCL
* TITLE OF INVENTION: SUBSTITUTED
* FILE REFERENCE: 0575/64077
* CURRENT APPLICATION NUMBER: US
* CURRENT FILING DATE: 2001-07-
* NUMBER OF SEQ ID NOS: 40
* SOFTWARE: PatentIn version 3.1.1
* SEQ ID NO 12
* LENGTH: 1192
* TYPE: DNA
* ORGANISM: Murinae gen. sp.
* FEATURE:
* NAME/KEY: misc feature
* OTHER INFORMATION: M-Isoform
US-09-898-554-12

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Alignment Scores:

Pred. No.:	1.44e-135	Length:	1192
Score:	1211.50	Matches:	245
Percent Similarity:	61.71%	Conservative:	0
Best Local Similarity:	61.71%	Mismatches:	2
Query Match:	91.85%	Indels:	150
DB:	11	Gaps:	1

US-09-898-554-14 (1-247) x US-09-898-554-12 (1-1192)

Qy 1 MetThrPheAspAspLysMetLysProAlaAsnAspGluProAspGlnLysSerCysGly  
Db 1 ATGACTTTTGGATGACAAAGATGAAGCCTGCGATGACGAGCCTGATCAGAAGTCATGTGGC  
Qy 21 LysLysPro-Lys----- 24



Db 541 AGAGCTGCAAACTCTTCAGAGAGTCCAGAGAGAACTCAAGGAAAGATAGACACCTC 600  
 Qy 85 ThrLeuLysLeuAsnGluLysSerLysGluGlnGluLeuLeuGlnLysAsnGlnAsn 104  
 Db 601 ACCTTGAAAGCTCAACAGAGAAATCCAAAGAGGAGGAGCTTCTACAGAAGAAATCAGAAC 660  
 Qy 105 LeuGlnGluAlaLeuGlnArgAlaAlaAsnPheSerGlyProCysProGlnAspTrpLeu 124  
 Db 661 CTCAGAGAGCCCTGCAAGAGCTGCAAACTTTTCAGGTCTTGTTCACAAGACTGGCTC 720  
 Qy 125 TrpHisLysGluAsnCysTrpLeuPheHisGlyProPheGlyTrpGluLysAsnArgGln 144  
 Db 721 TGGCATAAAGAAACTGTTACTCTTCTCCATGGGCCCTTAGCTGGGAAAAAACCAGCAG 780  
 Qy 145 ThrCysGlnSerLeuGlyGlnLeuLeuGlnLeuGlnLeuGlnLeuGlnLeuGlnLeu 164  
 Db 781 ACCTGCCAATCTTTGGGTGGCCAGTTACTACAAATTAATGTGCAGATGATCTGACATTC 840  
 Qy 165 IleLeuGlnAlaIleSerHisThrThrSerProPheTrpIleGlyLeuHisArgLysLys 184  
 Db 841 ATCTTCAAGCAATTTCCATACACACTCCCGGTTCTGGATGGATTCATCGGAAGAAG 900  
 Qy 185 ProGlyGlnProTrpLeuTrpLeuGlnGlyThrProLeuAsnPheGlnPhePheLysThr 204  
 Db 901 CCTGGCCAAACCATGGCTATGGAGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 960  
 Qy 205 ArgGlyValSerLeuGlnLeu-----TyrSerSerSerSerAsnCysAlaTyrLeu 220  
 Db 961 AGGGGCGTCTTTTACAGCTACTCTCTTTGAAATTTTCAATCT-----TTA 1005  
 Qy 221 GlnAspGlyAla---ValPheAlaGluAsnCysIleLeuIleAlaPheSerIleCysGln 239  
 Db 1006 AGACGAGGGGGTCTTTTACAGCTAAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 1065  
 Qy 240 LysLysThrAsnHisLeuGlnIle 247  
 Db 1066 AAGAAGACAAATCATTTGCAAAAT 1089

## RESULT 7

US-09-898-554-15  
 ; Sequence 15, Application US/09898554  
 ; Publication No. US20030068673A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: TALL, ALAN R  
 ; APPLICANT: WELCH, CARRIE L  
 ; APPLICANT: LIANG, CHIEN-PING  
 ; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 (ATHSQ1) AND ATHERO  
 ; FILE REFERENCE: 0575/64077  
 ; CURRENT APPLICATION NUMBER: US/09/898,554  
 ; CURRENT FILING DATE: 2001-07-02  
 ; NUMBER OF SEQ ID NOS: 40  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 15  
 ; LENGTH: 606  
 ; TYPE: DNA  
 ; ORGANISM: Murinae gen. sp.  
 ; FEATURE:  
 ; NAME/KEY: CDS  
 ; LOCATION: (1)..(606)  
 ; OTHER INFORMATION:  
 ; NAME/KEY: misc feature  
 ; OTHER INFORMATION: Isoform 8  
 US-09-898-554-15

Alignment Scores:  
 Pred. No.: 2,01e-117 Length: 606  
 Score: 1057.00 Matches: 199  
 Percent Similarity: 80.57% Conservative: 0  
 Best Local Similarity: 80.57% Mismatches: 2  
 Query Match: 80.14% Indels: 46  
 DB: 11 Gaps: 1

US-09-898-554-14 (1-247) x US-09-898-554-15 (1-606)  
 Qy 1 MetThrPheAspAspLysMetLysProAlaAsnAspGluProAspGlnLysSerCysGly 20  
 Db 1 ATGACTTTTTCATGACCAAGATGAAGCCTGCGAATGACGAGCTGATCAGAAGTCATCTGGC 60  
 Qy 21 LysLeuProLysGluGluSerGlnArgGluLeuLysGlyLysIleAspThrIleThrArg 40  
 Db 61 AAGAACCTTAA----- 72  
 Qy 41 LysLeuAspGluLysSerLysGluGlnGluLeuLeuGlnMetIleGlnAsnLeuGln 60  
 Db 72 ----- 72  
 Qy 61 GluAlaLeuGlnArgAlaAlaAsnSerSerGluSerGlnArgGluLeuLysLys 80  
 Db 73 -----GAGGAGTCCAGAGAGAACTCAAGGGAAG 102  
 Qy 81 IleAspThrLeuThrLeuLysLeuAsnGluLysSerLysGluGlnGlnGluLeuLeuGln 100  
 Db 103 ATGACACCTCTCACCTTGAAGCTGAACGAGAAATCCAAAGAGCAGGAGGAGCTTCTACAG 162  
 Qy 101 LysAsnGlnAsnLeuGlnAlaLeuGlnArgAlaAlaAsnPheSerGlyProCysPro 120  
 Db 163 AAGAATCAGAACTCCCAAGAGCCCTGCAAGAGCTGCAAACTTTTCAGTCTCTTGTCCA 222  
 Qy 121 GlnAspTrpLeuTrpHisLysGluAsnCysTyrLeuPheHisGlyProPheGlyTrpGlu 140  
 Db 223 CAAGACTGGCTTTGGCATAAAGAAACTGTTACTCTCTTCATGGGCGCTTTAGCTGGAA 282  
 Qy 141 LysAsnArgGlnThrCysGlnSerLeuGlyGlyGlnLeuGlnIleAsnGlyAlaAsp 160  
 Db 283 AAAAACGGGAGACCTGCCAACTTTGGGTGGCCAGTTACTACAAATTAATGGTGAGAT 342  
 Qy 161 AspLeuThrPheIleLeuGlnAlaIleSerHisThrThrSerProPheTrpIleGlyLeu 180  
 Db 343 GATCTGACATTCATCTTCAAGCAATTTCCCATACCACTCCCACTTCCTGGATTGATTG 402  
 Qy 181 HisArgLysLysProGlyGlnProTrpLeuTrpGluAsnGlyThrProLeuAsnPheGln 200  
 Db 403 CATCGGAAGAAGCCTGGCCAAACCATGGCTATGGGAGAATGGAACCTCTTTGAATTTTCAA 462  
 Qy 201 PhePheLysThrArgGlyValSerLeuGlnLeuTrpSerSerSerSerSerSerSerSer 220  
 Db 463 TTTCTTTAAGACCAGGGCGGTCTTTTACAGCTATATTCATCAGGCACTGTGCATACCTT 522  
 Qy 221 GlnAspGlyAlaValPheAlaGluAsnCysIleLeuIleAlaPheSerIleCysGlnLys 240  
 Db 523 CAAGACGGAGCTGTGTTGCTGAAAACTGCATTTCTAATTGCAATTCAGCATATGTCAGAAG 582  
 Qy 241 LysThrAsnHisLeuGlnIle 247  
 Db 583 AAGACAAATCATTTGCAAAAT 603

## RESULT 8

US-09-898-554-28  
 ; Sequence 28, Application US/09898554  
 ; Publication No. US20030068673A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: TALL, ALAN R  
 ; APPLICANT: WELCH, CARRIE L  
 ; APPLICANT: LIANG, CHIEN-PING  
 ; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 (ATHSQ1) AND ATHERO  
 ; FILE REFERENCE: 0575/64077  
 ; CURRENT APPLICATION NUMBER: US/09/898,554  
 ; CURRENT FILING DATE: 2001-07-02  
 ; NUMBER OF SEQ ID NOS: 40  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 28  
 ; LENGTH: 721  
 ; TYPE: DNA  
 ; ORGANISM: Murinae gen. sp.



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Db 452 AAGCTTCTGCAGCAGATCAGAACTCCAAAGAGCCCTGCAGAGAGCTGTGAACGCTTCA 511
Qy 69 -----
Db 512 GAGGAGTCCAAGTGGAACTGAAGGAACAAATAGACATTTCTCAACTGGAAGCTGAATGGG 571
Qy 69 -----
Db 572 ATATCCAAAGAGCAGAGGAGCTCTTGACAGCAGATCAGAACCTCCCAAGAGCCCTGCAG 631
Qy 70 -----
Db 632 AAAGCTGAGAAATATTCAGAGGAGTCCAGAGAGACTGAAGGACACAGATAGACACCTC 691
Qy 85 ThrLeuLysLeuAsnGluSerLysGluGlnGluLeuLeuLysAsnGlnAsn 104
Db 692 AGCTGGAAGCTAAACGAGAAATCAAAGAGCAGGAGGCTTCTGCAGCAGAAATCAGAA 751
Qy 105 LeuGlnGluAlaLeuGlnArgAlaAlaAsnPheSerGlyProCysProGlnAspTrpLeu 124
Db 752 CTTCAAGAGCCCTGCAGAGAGCTGCAAACTCTCAGGTCTCTTGTCCACAGAGCTGGATC 811
Qy 125 TrpHisLysGluAsnCysTrpLeuPheHisGlyTrpGluLysAsnArgGln 144
Db 812 TGGCATAAAGAAACTGTACTCTTCCATGGCCCTTTAACTGGGAAAAAGTCGGAG 871
Qy 145 ThrCysGlnSerLeuGlyGlnLeuLeuGlnIleAsnGlyAlaAspAspLeuThrPhe 164
Db 872 AATTGCGCTATCTTTAGATGCCAGTTACTACAAATTAGTACCACAGATGATCTGAACCTC 931
Qy 165 IleLeuGlnAlaIleSerHisThrThrSerProPheTrpIleGlyLeuHisArgLysLys 184
Db 932 GTCATTACAGCACTTCCATCCACCTCCCATTTTGGATGGGATACATCGGAAAT 991
Qy 185 ProGlyGlnProTrpLeuTrpGluAsnGlyThrProLeuAsnPheGlnPheLysThr 204
Db 992 CCCAACCAACCCATGGCTATGGAGAACGGCTCTCTTTGAGTTTCAATCTTTAGGACC 1051
Qy 205 ArgGlyValSerLeuGlnLeuTySerSerSerAsnCysAlaTyLeuGlnAspGlyAla 224
Db 1052 AGGGGCGTTCTTTACAGATGACTACTCATCAGCGACCTGTGCATATATTAAGGAGGAGTT 1111
Qy 225 ValPheAlaGluAsnCysIleLeuIleAlaPheSerIleCysGlnLysLysThrAsnHis 244
Db 1112 GTGTTTGCTGAAAACCTGCATTTTAAGTCATTCAGCATATGTCAGAAAGGCAAAATTTA 1171
Qy 245 Leu 245
Db 1172 TTG 1174
```

## RESULT 10

```
US-10-220-511-14
; Sequence 14, Application US/10220511
; Publication No. US20030143226A1
; GENERAL INFORMATION:
; APPLICANT: Kobayashi, Yuko
; APPLICANT: Tsuji, Hiroyuki
; APPLICANT: Kamada, Masafumi
; APPLICANT: Sawamura, Tatsuya
; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES AGAINST OXIDIZED LDL RECEPTOR AND
; TITLE OF INVENTION: PHARMACEUTICAL USES THEREOF
; FILE REFERENCE: SHIM-017
; CURRENT APPLICATION NUMBER: US/10/220,511
; CURRENT FILING DATE: 2002-12-06
; PRIOR APPLICATION NUMBER: JP P2000-57745
; PRIOR FILING DATE: 2000-03-02
; PRIOR APPLICATION NUMBER: JP P2000-333116
; PRIOR FILING DATE: 2000-10-31
; PRIOR APPLICATION NUMBER: PCT/JP01/01636
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
```

```
; LENGTH: 3750
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; NAME/KEY: 5'UTR
; LOCATION: (1)..(91)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (92)..(1186)
; FEATURE:
; NAME/KEY: 3'UTR
; LOCATION: (1187)..(3750)
US-10-220-511-14
Alignment Scores:
Pred. No.: 4,69e-106 Length: 3750
Score: 972.00 Matches: 192
Percent Similarity: 59.56% Conservative: 23
Best Local Similarity: 53.19% Mismatches: 30
Query Match: 73.69% Indels: 116
DB: 13 Gaps: 2
US-09-898-554-14 (1-247) x US-10-220-511-14 (1-3750)
Qy 1 MetThrPheAspAspLysMetLysProAlaAsnAspGluProAspGlnLysSerCysGly 20
Db 92 ATGGCTTTTGTATGACAAAGATGAAGCCTGTGAATGGCCAGCCTGATCAGAAGTCTATGTGGC 151
Qy 21 LysLysProLys----- 24
Db 152 AAGAAGCCTAAAGGGCTGCATTTGCTTTCTTCCATGTTGGTGGCCCTGCTGTGTGACT 211
Qy 24 ----- 24
Db 212 CTGGCCATCCTTTTGCTCTAGTGTATTATCAGTGACCCCTTATTGTATACAGCAGACACAGTTACTC 271
Qy 24 ----- 24
Db 272 CAGGTATCTGACCTCTCTAAAGCAATACCAAGCAACCTTACTCAGCAGGATCATATCCTG 331
Qy 25 -----GluGluSerGlnArgGlu 30
Db 332 GAGGGGCAGATGTCAGCCCGAAGAAAGCAGAAATGCTTCAACAAGATCAAAGAGGAA 391
Qy 31 LeuLysGlyLysIleAspThrIleThrArgLysLeuAspGluLysSerLysGluGlnGlu 50
Db 392 CTGAAGGAAACAGATAGACACCTCCTCAGTGAAGCTAAACGAGAAATCCAAAGAGCAGGAG 451
Qy 51 GluLeuLeuGlnMetIleGlnAsnLeuGlnGluAlaLeuGlnArgAlaAlaAsnSer--- 69
Db 452 AAGCTTCTGCAGCAGAAATCAGAACCTCCAAAGAGCCCTGCAGAGAGCTGTGAACGCTTCA 511
Qy 69 ----- 69
Db 512 GAGGAGTCCAAGTGGAACTGAAGGAAACAAATAGACATTTCTCAACTGGAAGCTGAATGGG 571
Qy 69 ----- 69
Db 572 ATATCCAAAGAGCAGAGGAGCTTTGTCAGCAGAAATCAGAACCTCCCAAGAGCCCTGCAG 631
Qy 70 -----SerGluGluSerGlnArgGluLeuLysGlyLysIleAspThrLeu 84
Db 632 AAAGCTGAGAAATATTCAGAGGAGTCCAGAGAGAACTGAAGGAAACAGATAGACACCTC 691
Qy 85 ThrLeuLysLeuAsnGluLysSerLysGluGlnGluLeuLeuLysAsnGlnAsn 104
Db 692 AGCTGGAAGCTAAACGAGAAATCCAAAGAGCAGGAGGCTTCTGCAGCAGAAATCAGAA 751
Qy 105 LeuGlnGluAlaLeuGlnArgAlaAlaAsnPheSerGlyProCysProGlnAspTrpLeu 124
Db 752 CTTCAAGAGCCCTGCAGAGAGCTGCAAACTCTTCAAGTCTCTTGTCCCAAGAGCTGGATC 811
Qy 125 TrpHisLysGluAsnCysTrpLeuPheHisGlyProPheGlyTrpGluLysAsnArgGln 144
```



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Db      812 TGGCATAAAGAAACCTTTACCTCTTCCATGGGCGCTTTAACTGGGAAAAAAGTCGGGAG 871
Qy      145 ThrCysGlnSerLeuGlyGlnLeuLeuGlnIleAsnGlyAlaAspAspLeuThrPhe 164
Db      872 AATTGGCTATCTTTAGATCCCGAGTTACTACAAATTAGTACCACAGATGATCTGAACCTC 931
Qy      165 IleLeuGlnAlaIleSerHisThrThrSerProPheTrpIleGlyLeuHisArgLysLys 184
Db      932 GTCTTACAAGCAACTTCCCATCCACCTCCCATTTTGGATGGATTACATCGGAAAAAT 991
Qy      185 ProGlyGlnProTrpLeuTrpGluAsnGlyThrProLeuAsnPheGlnPhePheLysThr 204
Db      992 CCCAACCCACCTATGGGTATGGGAGAACGCTCTCTCTTCAGTTTCAATTTCTTAGGACC 1051
Qy      205 ArgGlyValSerLeuGlnLeuTrpSerSerAsnCysAlaTrpLeuGlnAspGlyAla 224
Db      1052 AGGGGGTTCTTTTACAGATGACTCATCAGGCACCTGTGCATATATTCAAGAGGAGTT 1111
Qy      225 ValPheAlaGluAsnCysIleLeuIleAlaPheSerIleCysGlnLysLysThrAsnHis 244
Db      1112 GTGTTTGCTGAAACTGCAATTTAACTGCATTGAGCATATGTGAGAAGAGGCAAAATTTA 1171
Qy      245 Leu 245
Db      1172 TTG 1174

```

## RESULT 11

US-09-898-554-17

; Sequence 17, Application US/09898554

; Publication No. US20030068673A1

; GENERAL INFORMATION:

; APPLICANT: TALL, ALAN R

; APPLICANT: WELCH, CARRIE L

; APPLICANT: LIANG, CHIEN-PING

; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 ( ATHSQ1) AND ATHEROS

; FILE REFERENCE: 0575/64077

; CURRENT APPLICATION NUMBER: US/09/898,554

; NUMBER OF SEQ ID NOS: 40

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 17

; LENGTH: 468

; TYPE: DNA

; ORGANISM: Murinae gen. sp.

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (1)..(468)

; NAME/KEY: misc feature

; OTHER INFORMATION: Isoform 9

US-09-898-554-17

## Alignment Scores:

```

Pred. No.:      3,9e-88      Length:      468
Score:           812.00      Matches:      153
Percent Similarity: 61.94%      Conservative: 0
Best Local Similarity: 61.94%      Mismatches: 2
Query Match:      61.56%      Indels:      92
DB:              11          Gaps:         1

```

US-09-898-554-14 (1-247) x US-09-898-554-17 (1-468)

```

Qy      1 MetThrPheAspAspLysMetLysProAlaAsnAspGluProAspGlnLysSerCysGly 20
Db      1 ATGACTTTTGTGACAAAGATGAAGCCTGCGAATGACGAGCCTGATCAGAAAGTCATGTGCG 60
Qy      21 LysLysProLysGluGluSerGlnArgGluLeuLysGlyLysIleAspThrIleThrArg 40
Db      61 AAGAGCCTTAA----- 72
Qy      41 LysLeuAspGluLysSerLysGluGlnGluLeuLeuMetIleGlnAsnLeuGln 60

```

```

Alignment Scores:      2,94e-77      Length:      621
Pred. No.:              723.00      Matches:      148
Score:

```

## RESULT 12

US-09-898-554-25

; Sequence 25, Application US/09898554

; Publication No. US20030068673A1

; GENERAL INFORMATION:

; APPLICANT: TALL, ALAN R

; APPLICANT: WELCH, CARRIE L

; APPLICANT: LIANG, CHIEN-PING

; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 ( ATHSQ1) AND ATHE

; FILE REFERENCE: 0575/64077

; CURRENT APPLICATION NUMBER: US/09/898,554

; CURRENT FILING DATE: 2001-07-02

; NUMBER OF SEQ ID NOS: 40

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 25

; LENGTH: 621

; TYPE: DNA

; ORGANISM: Murinae gen. sp.

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (1)..(621)

; OTHER INFORMATION:

; NAME/KEY: misc feature

; OTHER INFORMATION: Isoform 4

US-09-898-554-25

```
Percent Similarity: 76.92% Conservative: 12
Best Local Similarity: 71.15% Mismatches: 23
Query Match: 54.81% Indels: 26
DB: 11 Gaps: 3

US-09-898-554-14 (1-247) x US-09-898-554-25 (1-621)

Qy 1 MetThrPheAspAspLysMetLysProAlaAsnAspGluProAspGlnLysSerCysGly 20
Db 1 ATGACTTTTGTATGACAAAGTGAAGCTGCGAATGACGAGCTGATCAGAAAGTATGTTGGC 60
Qy 21 LysLysProLysGlu-----Glu 26
Db 61 AAGAGCCTAAAGG-TCTGCATTGCTTTCTTCCCATGGTGGTTCCCTGCTGTATGAC 119
Qy 27 SerGlnArgGluLeuLysGly-----LysIleAspThrIleThr 39
Db 120 TCTGTCTATCTCTGCTGCTGGTGTGTGTCAGTACGCCCTTATTGTACAGTGGACACAAATTACG 179
Qy 40 ArgLysLeu-AspGluLysSerLysGluGlnGluLeuLysGln-----MetI 56
Db 180 CCAGGTATCTGACCTCTTAAACATACCAAGCGAACCTTACTCAGCAGGATCGTATCCT 239
Qy 56 eGlnAsnLeuGlnGluAlaLeuGlnArgAlaAsnSerSerGluGluSerGlnArgG 76
Db 240 GGAAGGCGAGATGTTAGCCCGACGAGAGCGAGAAACACTTCACAGGNATCAAGAAGGA 299
Qy 76 uLeuLysGlyLysIleAspThrLeuThrLeuLysLeuAsnGluLysSerLysGluGln 96
Db 300 ACTGAAAGGAAAGATAGACACCTCACCAGAGCTGAACGAGAAATCCAAAGAGCAGGA 359
Qy 96 uGluLeuLysGlnLysAsnGlnAsnLeuGlnGluAlaLeuGlnArgAlaAsnPhe 116
Db 360 GGAGCTCTTACAGAGAATACAGAACCTCCAAAGAGCCCTGCAAGAGCTGCAAACTTTTC 419
Qy 116 rGlyProCysProGlnAspTrpLeuTrpHisLysGluAsnCysTrpLeuPheHisGlyPr 136
Db 420 AGTCTTGTGTCCACAGACTGGCTCTGCATTAAGAAACTGTACCTCTTCATGGGCC 479
Qy 136 oPheGlyTrpGluLysAsnArgGlnThrCysGlnSerLeuGlyGlnLeuGlnI 156
Db 480 CTTTGTAGTGGGAAAAAACCCGCGACAGCTGCGCAATCTTTGGTGGCCAGTTACTACAAAT 539
Qy 156 eAsnGlyAlaAspLeuThrPheIleuGlnAlaIleSerHisThrThrSerProPh 176
Db 540 TAATGGTCAGATGATCTGCATTCATCTTACAGCAATTTCCCATACCACTCCCGCTT 599
Qy 176 eTrpIleGlyLeuHisArgLys 183
Db 600 CTGGATTGGATTGCATCGGAAG 621

RESULT 13
US-09-898-554-21
; Sequence 21, Application US/09898554
; Publication No. US20030068673A1
; GENERAL INFORMATION:
; APPLICANT: TALL, ALAN R
; APPLICANT: WELCH, CARRIE L
; APPLICANT: LIANG, CHIEN-PING
; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 (ATHSQ1) AND ATHEROS
; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 2 (ATHSQ2)
; FILE REFERENCE: 0575/64077
; CURRENT APPLICATION NUMBER: US/09/898,554
; CURRENT FILING DATE: 2001-07-02
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 21
; LENGTH: 773
; TYPE: DNA
; ORGANISM: Murinae gen. sp.
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(174)

; OTHER INFORMATION:
; NAME/KEY: misc feature
; OTHER INFORMATION: Isoform 2
US-09-898-554-21

Alignment Scores:
Pred. No.: 1,63e-73 Length: 773
Score: 693.00 Matches: 154
Percent Similarity: 60.31% Conservative: 1
Best Local Similarity: 59.92% Mismatches: 3
Query Match: 52.54% Indels: 101
DB: 11 Gaps: 1

US-09-898-554-14 (1-247) x US-09-898-554-21 (1-773)

Qy 1 MetThrPheAspAspLysMetLysProAlaAsnAspGluProAspGlnLysSerCysGly 20
Db 1 ATGACTTTTGTATGACAAAGTGAAGCTGCGAATGACGAGCTGATCAGAAAGTATGTTGGC 60
Qy 21 LysLysPro-Lys----- 24
Db 61 AAGAGCCTAAAGCTGTCATTTCTTCCCATGGTGGTTCCCTGCTGTATGACT 120
Qy 24 ----- 24
Db 121 CTGGTCATCTCTGCTGCTGGTGTGTGTCAGTCACCCCTTATTGTACAGTGGACACAAATGATCG 180
Qy 24 ----- 24
Db 181 TATCTTGAAGGCGAGATGTTAGCCCGACGAGAGGCGAGAAACACACTTCACAGGAATCAAA 240
Qy 24 ----- 24
Db 241 GAAGGAACCTGAAAGGAAAGATAGACACCTCACCAGAGAGCTGAAGAAATCCAAAGA 300
Qy 24 ----- 24
Db 301 GCAGGAGGAGCTTCTACAGAGAATCAGAACCTCCAAAGAGCCCTGCAAGAGCTGCAAA 360
Qy 25 -----GluGluSerGlnArgGluLeuLysGlyLysIleAspThrIleThrArgLysLe 42
Db 361 CTCTTTCAGAGGAGCTCCAGAGAGAACTCAAGGAAAGATAGACACCATCACCCTGGAAGCT 420
Qy 42 uAspGluLysSerLysGluGlnGluLeuLeuGlnMetIleGlnAsnLeuGlnGluAl 62
Db 421 GGACGAGAATCCAAAGAGCGAGGAGAGCTTCTGCGAGATGATTCAGAACCTCCAGAGAGC 480
Qy 62 aLeuGlnArgAlaAlaAsnSerSerGluGluSerGlnArgGluLeuLysGlyLysIleAs 82
Db 481 CTTGCAGAGAGCTGCAAACTCTTTCAGAGGAGTCCAGAGAGAACTCAAGGAAAGATAGA 540
Qy 82 pThrLeuThrLeuLysLeuAsnGluLysSerLysGluGlnGluLeuLeuLysAs 102
Db 541 CACCTCTCACCTTGAAGCTGAACGAGAAATCCAAAGAGAGCAGAGAGAGCTTCTCAGAGAA 600
Qy 102 nGlnAsnLeuGlnGluAlaLeuGlnArgAlaAlaAsnPheSerGlyProCysProGlnAs 122
Db 601 TCAGAACCTCCAAAGAGCCCTGCAAGAGCTGCAAACTTTTCAGGCTCTTGTCCACAGA 660
Qy 122 pTrpLeuTrpHisLysGluAsnCysTrpLeuPheHisGlyProPheGlyTrpGluLysAs 142
Db 661 CTGGCTCTGCGATAAAGAAACTGTTTACCTCTTCCGTTGGGCCCTTTTAC-TGGGAAAAAAG 719
Qy 142 nArgGlnThrCysGlnSerLeuGlyGlnLeuLeuGlnIleAsnGly 158
Db 720 CCGGCGAGACCTGCCAATCTTTTGGGTGGCAG-TTACTACAAATTAATGGG 767

RESULT 14
US-09-898-554-27
; Sequence 27, Application US/09898554
; Publication No. US20030068673A1
; GENERAL INFORMATION:
; APPLICANT: TALL, ALAN R
```

```

; APPLICANT: WELCH, CARRIE L
; APPLICANT: LIANG, CHIEN-PING
; TITLE OF INVENTION: ATHEROSCLEROSIS SUSCEPTIBILITY GENE LOCUS 1 (ATHSQ1) AND ATHEROS
; TITLE OF INVENTION: SUSCEPTIBILITY GENE LOCUS 2 (ATHSQ2)
; FILE REFERENCE: 0575/64077
; CURRENT APPLICATION NUMBER: US/09/898,554
; CURRENT FILING DATE: 2001-07-02
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 27
; LENGTH: 712
; TYPE: DNA
; ORGANISM: Murinae gen. sp.
; NAME/KEY: misc feature
; OTHER INFORMATION: Isoform 5
US-09-898-554-27

Alignment Scores:
Pred. No.: 1,17e-69 Length: 712
Score: 660.50 Matches: 149
Percent Similarity: 72.97% Conservative: 13
Best Local Similarity: 67.12% Mismatches: 23
Query Match: 50.08% Indels: 42
DB: 11 Gaps: 6

US-09-898-554-14 (1-247) x US-09-898-554-27 (1-712)

Qy 1 MetThrPheAspLysMetLysProAlaAsnAspGluProAspGlnLysSerCysGly 20
Db 1 ATGACTTTTGTGACAAAGTGAAGCTCGAATGACGAGCCTGATGAGAAGTCATGTGGC 60
Qy 21 LysLysProLysGlu-----Glu 26
Db 61 AAGAAGCCTAAAGG-TCTGCAATTGCTTTCTCCCATGGTGTTCCTGCTGCTATGAC 119
Qy 27 SerGlnArgLysGly-----LysIleAspThrIleThr 39
Db 120 TCTGGTCATCCTCTGCTGCTGTGTGTGTCAGTGACCTTATTGTACAGTGACACAATGAT- 178
Qy 40 ArgLysLeuAspGlnLysSerLysGluGlnGluGluLeuLeuMetIleGlnAsnLeu 59
Db 179 CGTATCTCTGAAGGG-----CAGATGTTA----- 202
Qy 60 GlnGluAlaLeuGlnArgAlaAlaAsnSerSerGluGluSerGlnArgGluLeuLysGly 79
Db 203 -----GCCAGCAGAGGCGAGAAACACTTACAGGAAATCAAGAGGAACTGAAAGGA 256
Qy 80 LysIleAspThrLeuThrLeuLysLeuAsnGluLysSerLysGluGlnGluLeuLeu 99
Db 257 AAGATAGACACCTCCACCCAGAGCTGAACGAC---TCCAAAGAGCAGGAGGAG---CTA 310
Qy 100 GlnLysAsnGlnAsnLeuGlnAlaLeuGlnArgAlaAlaAsnPheSerGlyProCys 119
Db 311 CACCCCCC-CCGAACCTCCAGAGCCCTGCAAGAGCTGCAAACTCTTCAGTCTCTGT 369
Qy 120 ProGlnAspTrpLeuTrpHisLysGluAsnCysTyrLeuPheHisGlyProPheGlyTrp 139
Db 370 CCACAAGACTGGCTCTGGCATAAAGAACTGTACTCTTCCATGGGCGCTTTAGCTGG 429
Qy 140 GluLysAsnArgGlnThrCysGlnSerLeuGlyGlnLeuLeuGlnIleAsnGlyAla 159
Db 430 GAAAAAACCAGCAGACCTGCCAACTTTTGGGTGGGCGAGTTACTACAAATTAATGGTGA 489
Qy 160 AspAspLeuThrPheIleLeuGlnAlaIleSerHisThrThrSerProPheTrpIleGly 179
Db 490 GATGATCTGACATTCATCTTACAGCAATTTCCCATACCACCTTCCCTTCTTGGATTGGA 549
Qy 180 LeuHisArgLysLysProGlyGlnProTrpLeuTrpGluAsnGlyThrProLeuAsnPhe 199
Db 550 TTGCATCGAAGAGCCTGGCAA-CCATGGGTATGGGAGAAATGGACT-TCCTTGAATTTT 607
Qy 200 GlnPhe 201

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Db 608 AATTTT 613
RESULT 15
US-10-220-511-10
; Sequence 10, Application US/10220511
; Publication No. US20030143226A1
; GENERAL INFORMATION:
; APPLICANT: Kobayashi, Yoko
; APPLICANT: Tsuji, Hiroyuki
; APPLICANT: Kamada, Masafumi
; APPLICANT: Sawamura, Tateuya
; TITLE OF INVENTION: HUMAN MONOCLONAL ANTIBODIES AGAINST OXIDIZED LDL RECEPTOR AND
; FILE REFERENCE: SHIM-017
; CURRENT APPLICATION NUMBER: US/10/220,511
; CURRENT FILING DATE: 2002-12-06
; PRIOR APPLICATION NUMBER: JP P2000-57745
; PRIOR FILING DATE: 2000-03-02
; PRIOR APPLICATION NUMBER: JP P2000-333116
; PRIOR FILING DATE: 2000-10-31
; PRIOR APPLICATION NUMBER: PCT/JP01/01636
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver: 2.1
; SEQ ID NO 10
; LENGTH: 1514
; TYPE: DNA
; ORGANISM: Oryctolagus cuniculus
; FEATURE:
; NAME/KEY: 5'UTR
; LOCATION: (1)..(29)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (30)..(866)
; FEATURE:
; NAME/KEY: 3'UTR
; LOCATION: (867)..(1514)
US-10-220-511-10

Alignment Scores:
Pred. No.: 4.44e-67 Length: 1514
Score: 643.00 Matches: 135
Percent Similarity: 63.50% Conservative: 39
Best Local Similarity: 49.27% Mismatches: 70
Query Match: 48.75% Indels: 30
DB: 13 Gaps: 6

US-09-898-554-14 (1-247) x US-10-220-511-10 (1-1514)

Qy 1 MetThrPheAspAsp---LysMetLysProAlaAsnAspGluProAspGlnLysSerCys 19
Db 42 ATGCTGTTGACGACCTCAAGTCAAGCCCAAGGACCAAGCAGCTGATCAGAAGTCGAAT 101
Qy 20 GlyLysLysProLysGluGluSerGlnArgGluLeuLys----- 32
Db 102 GGGAGAAACCTAAA-----GGTCTCGTTTCTTTCTTCTCGGTGGTGGCCAGCT 155
Qy 33 -----GlyLysIleAspThrIleThrArg----- 40
Db 156 GCTGTGGCTCTCGAGTCTCTTGTGCTGGGATCACTGATGACCATTAATGCTGGGGATG 215
Qy 41 -----LysLeuAspGluLysSerLysGluGlnGluLeuLeuGlnMetIleGln 57
Db 216 CAATTATTCAGGATCTGACCTCTTAAGCAACAGCAGCAAAACCTCACTCTGCAGGAG 275
Qy 58 AsnLeuGlnGlu-----AlaLeuGlnArgAlaAlaAsnSerSerGluGluSer 73
Db 276 AATATCTGGAGGACAGGCTTAGCCAGCAGCAGCAGGAGCAGCTTCCAGGAGTCA 335
Qy 74 GlnArgGluLeuLysGlyLysIleAspThrLeuThrLeuLysLeuAsnGluLysSerLys 93
Db 336 CAAAGGGAACCTCAAAGAAATGATAGAACTCTTCCCAAGAGGCTGGATGAAAAATCCAAA 395

```

```
Qy 94 GluGlnGluGluLeuLeuGlnLysAsnGlnAsnLeuGlnGluAlaLeuGlnArgAlaAla 113
Db 396 AAGCAAAATGGAACCTTAACCATCAGTACCTGAATCTCCAAGAGGCTCTGAAGAGAAATGGAC 455
Qy 114 AsnPheSerGlyProCysProGlnAspTyrLeuTrpHisLysGluAsnCysTyrLeuPhe 133
Db 456 AACTTTTCAGTCTCTGTCGAGAGACTGGCTCTGGCATGGAAAAAACTGTTATCTGTTT 515
Qy 134 ---HisGlyProPheGlyTyrGlnLysAsnArgGlnThrCysGlnSerLeuGlyGlyGln 152
Db 516 TCCTCTGGATCATTTAATTGGGAAAGTAGTCAAGAGAAATGCTGTCTTTGGATGCCAG 575
Qy 153 LeuLeuGlnIleAsnGlyAlaAspAspLeuThrPheIleLeuGlnAlaIleSerHisThr 172
Db 576 TTATTGAAATTAACAGACAGAGATCTGGGCTTCATCCAGAGGACTTCCCATTC 635
Qy 173 ThrSerProPheTyrIleGlyLeuHisArgLysLysProGlyGlnProTyrLeuTyrGlu 192
Db 636 AGCTTCCCATTCGTGGATGGGATGTCTCGAGGAAACCCGACTACTCATGGCTCTGGAA 695
Qy 193 AsnGlyThrProLeuAsnPheGlnPhePheLysThrArgGlyValSerLeuGlnLeuTyr 212
Db 696 GACGGTTCTCCTCTGATGCCCACTTGTTCAGATTCCAGGGTGCTGTTTCCAGAGGTAC 755
Qy 213 SerSerSerAsnCysAlaTyrLeuGlnAspGlyAlaValPheAlaGluAsnCysIleLeu 232
Db 756 CCTTCAGGCACCTGTGCATATATACAGAGGAAATGTTTTGCTGAGAACTGCATTITA 815
Qy 233 IleAlaPheSerIleCysGlnLysLysThrAsnHisLeuGln 246
Db 816 GTTCATACAGTAICTGTACAGAGAGGCAANTCTGCTGACA 857
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Search completed: December 19, 2003, 01:39:00  
Job time : 327 secs